



Service Manual

Created: 19 December 2019



X32 RACK

40-Input, 25-Bus Digital Rack Mixer with 16 Programmable Midas Preamps, USB Audio Interface and iPad/iPhone* Remote Control

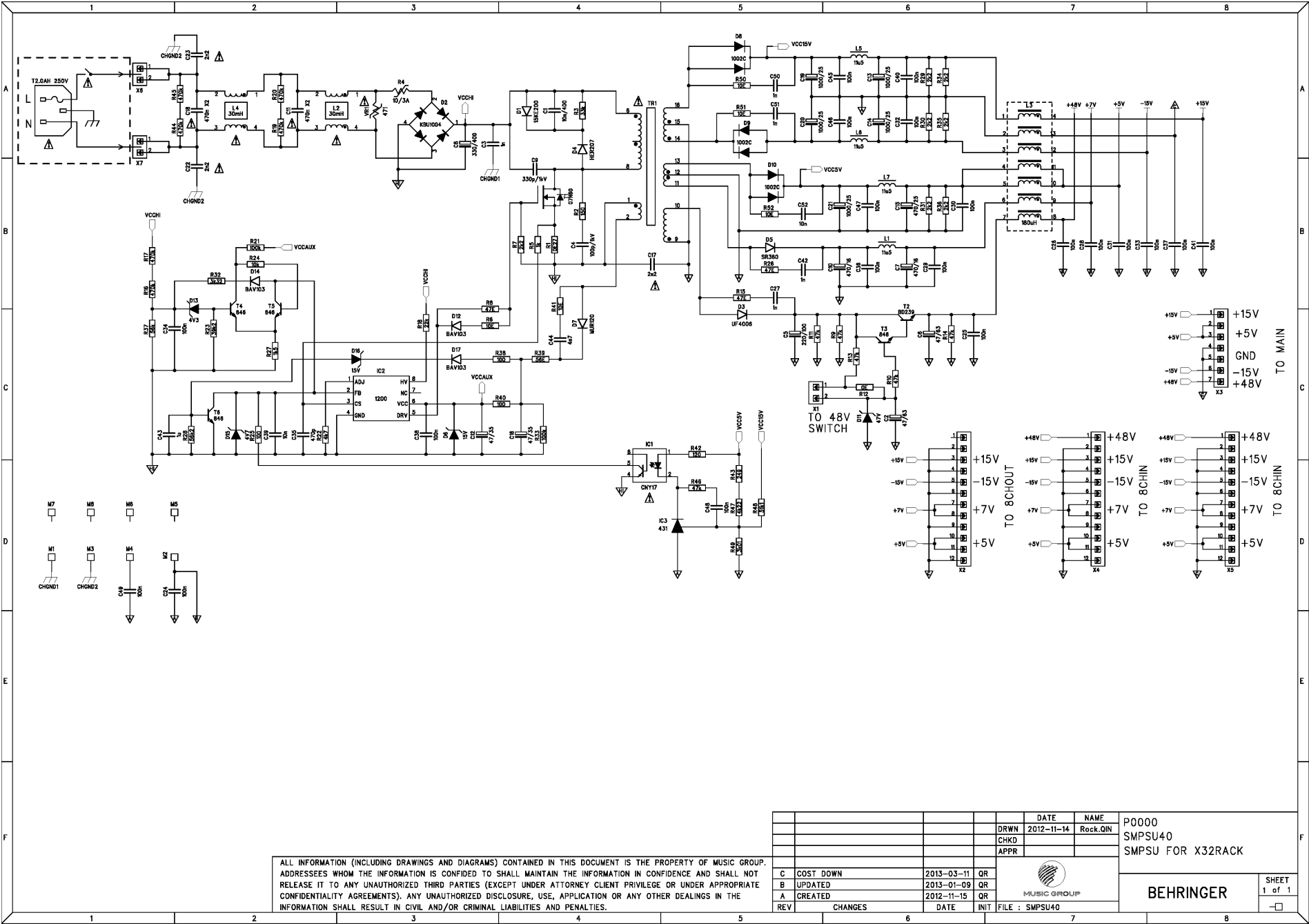
Specifications	2
PCB Schematic	3
Parts List	28
Exploded Drawing	49

© 2019 MUSIC Group IP Ltd. All third party trademarks mentioned belong to their respective owners and are not affiliated with MUSIC Group IP Ltd. All information (including drawings and diagrams) contained in this document is the property of MUSIC Group IP Ltd., its subsidiaries or content providers, and is protected by intellectual property (copyright, trademark, patents, etc) laws, international treaty provisions and other laws. Any unauthorized disclosure, use, application, reproduction, modification, lease, sale, transmission or any other dealings in the information may violate applicable laws and result in civil and/or (where applicable) criminal liabilities and penalties.

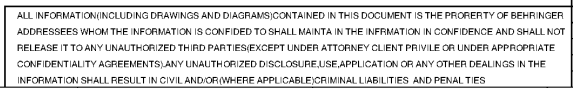
X32 RACK

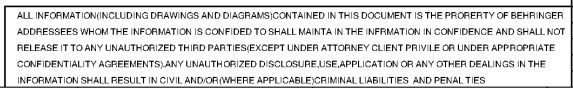
Specifications

- 40-input channel, 25-bus, 3U rack-mountable digital mixer for live and installed sound application
- 16 Midas-designed, fully programmable mic preamps for audiophile sound quality
- 8 XLR outputs plus 6 additional line in/outputs, a phones connector and a talkback section with XLR mic input
- 32 x 32 channel USB 2.0 audio interface
- iPad* and iPhone* apps for professional remote operation available free of charge—no host PC required
- High-resolution 5" day-viewable Color TFT for easy viewing of workflow components and parameters
- Main LCR, 6 matrix buses and all 16 mix buses each featuring inserts, 6-band parametric EQ's and full dynamics processing, plus 8 DCA and 6 mute groups
- Virtual FX rack featuring 8 true-stereo FX slots include high-end simulations such as Lexicon 480L* and PCM70*, EMT250* and Quantec QRS* etc.
- 40-Bit floating-point DSP features "unlimited" dynamic range with no internal overload and near-zero overall latency (0.8 msec)
- Powerful scene management for convenient handling of complex productions
- 48-channel Digital Snake ready* via dual AES50 ports, featuring Klark Teknik's SuperMAC networking capability for ultra-low jitter and latency
- USB type-A connector providing file storage and uncompressed stereo recordings plus show presets and system updates
- ULTRANET connectivity for Behringer's P16 Personal Monitoring System*
- Networked remote control via Ethernet for show setups with on-screen software editor
- Built-in expansion port for audio interface cards or digital networking bridges
- MIDI In/Out for remote scene recall or controlling other MIDI equipment
- Future firmware updates, incl. new FX "Plug Ins", downloadable from behringer.com free of charge
- 3-Year Warranty Program
- Designed and engineered in Germany

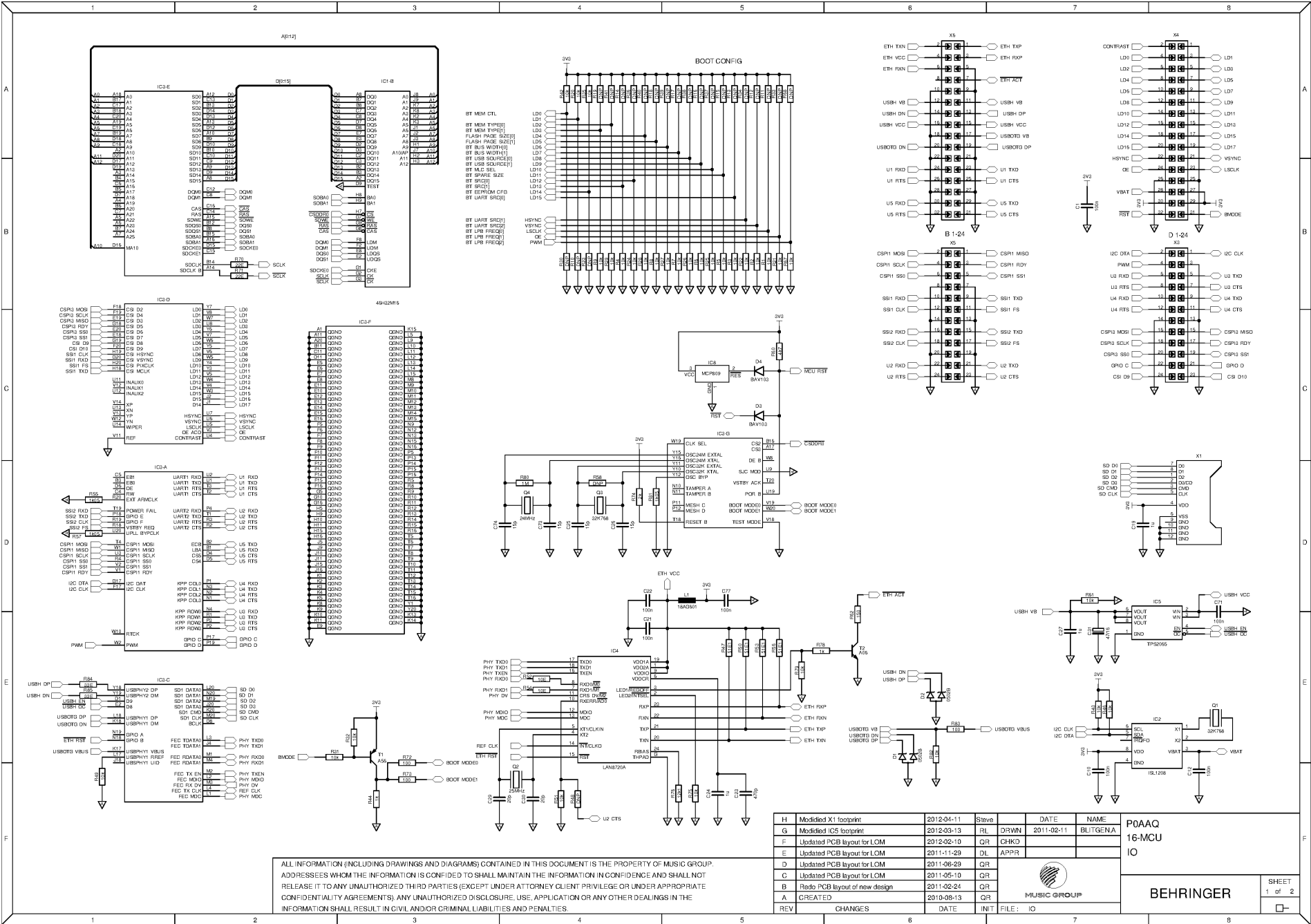








					DATE	NAME	P0AAP 8CHOUT CONTROL / LOGIC			
					DRWN	2010-07-08				BLTGEN, A
					CHKD					
					APPR					
					 MUSIC GROUP			 BEHRINGER		SHEET
										3 of
REV	CHANGES	DATE	INIT	FILE	P0AAP_07-8CHOUT_RevA.ssh					



ALL INFORMATION (INCLUDING DRAWINGS AND DIAGRAMS) CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF MUSIC GROUP. ADDRESSES WHOM THE INFORMATION IS CONFIDED TO SHALL MAINTAIN THE INFORMATION IN CONFIDENCE AND SHALL NOT RELEASE IT TO ANY UNAUTHORIZED THIRD PARTIES (EXCEPT UNDER ATTORNEY CLIENT PRIVILEGE OR UNDER APPROPRIATE CONFIDENTIALITY AGREEMENTS). ANY UNAUTHORIZED DISCLOSURE, USE, APPLICATION OR ANY OTHER DEALINGS IN THE INFORMATION SHALL RESULT IN CIVIL AND/OR CRIMINAL LIABILITIES AND PENALTIES.

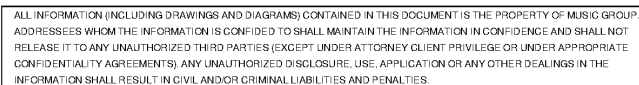
REV	CHANGES	DATE	INIT	FILE	IO
H	Modified X1 footprint	2012-04-11	Steve		
G	Modified IC5 footprint	2012-03-13	RL	DRWN	2011-02-11
F	Updated PCB layout for LOM	2012-02-10	QR	CHKD	
E	Updated PCB layout for LOM	2011-11-29	DL	APPR	
D	Updated PCB layout for LOM	2011-06-29	QR		
C	Updated PCB layout for LOM	2011-05-10	QR		
B	Redo PCB layout of new design	2011-02-24	QR		
A	CREATED	2010-09-13	QR		

DATE	NAME	IO
2012-04-11	Steve	
2012-03-13	RL	DRWN
2012-02-10	QR	CHKD
2011-11-29	DL	APPR
2011-06-29	QR	
2011-05-10	QR	
2011-02-24	QR	
2010-09-13	QR	

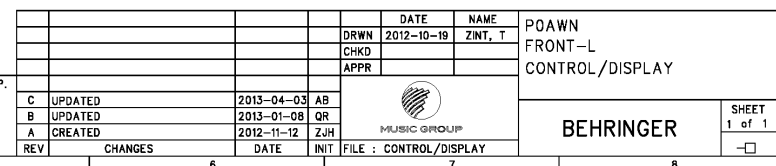


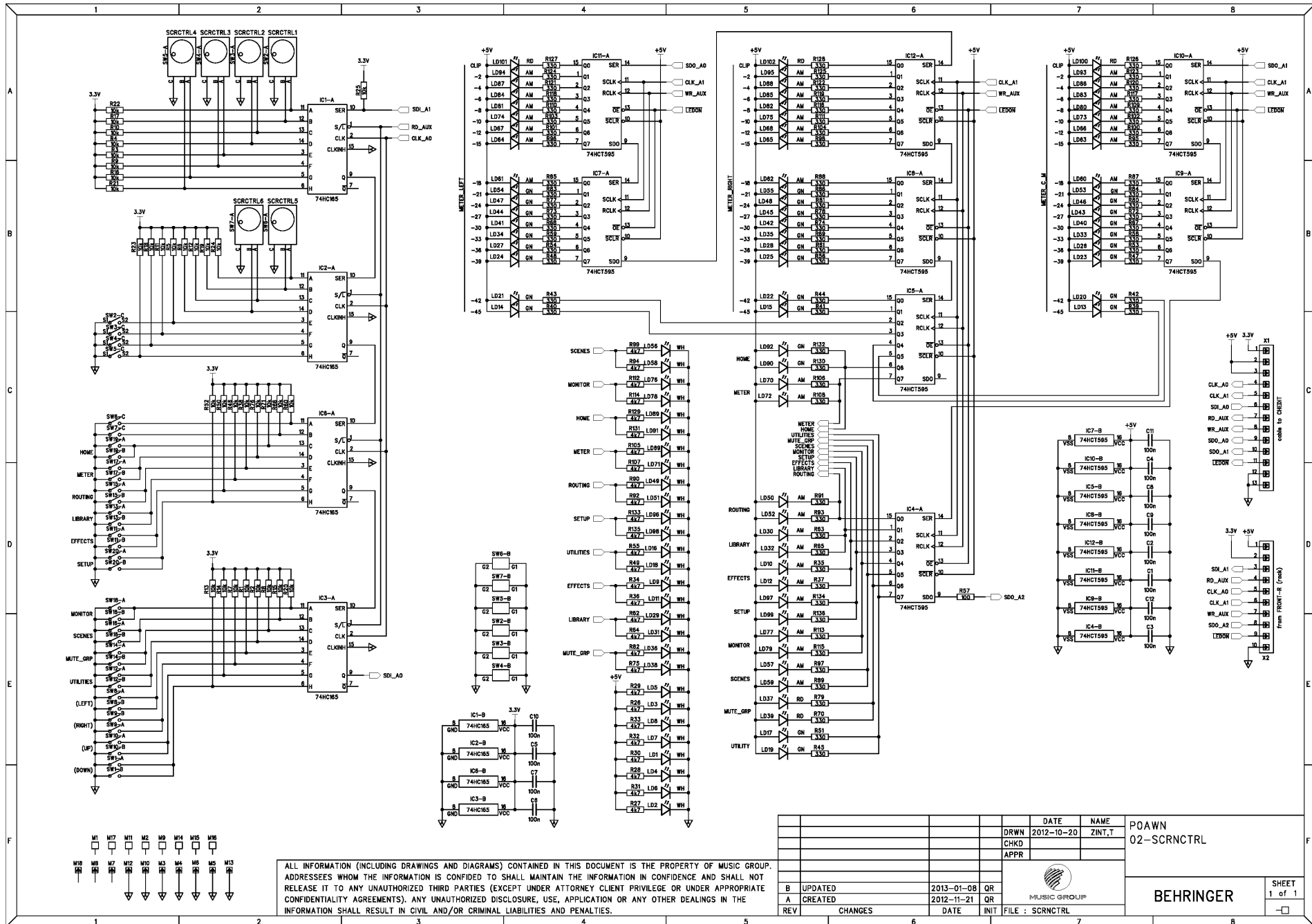
BEHRINGER

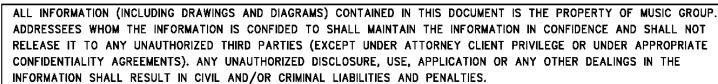
SHEET 1 of 2



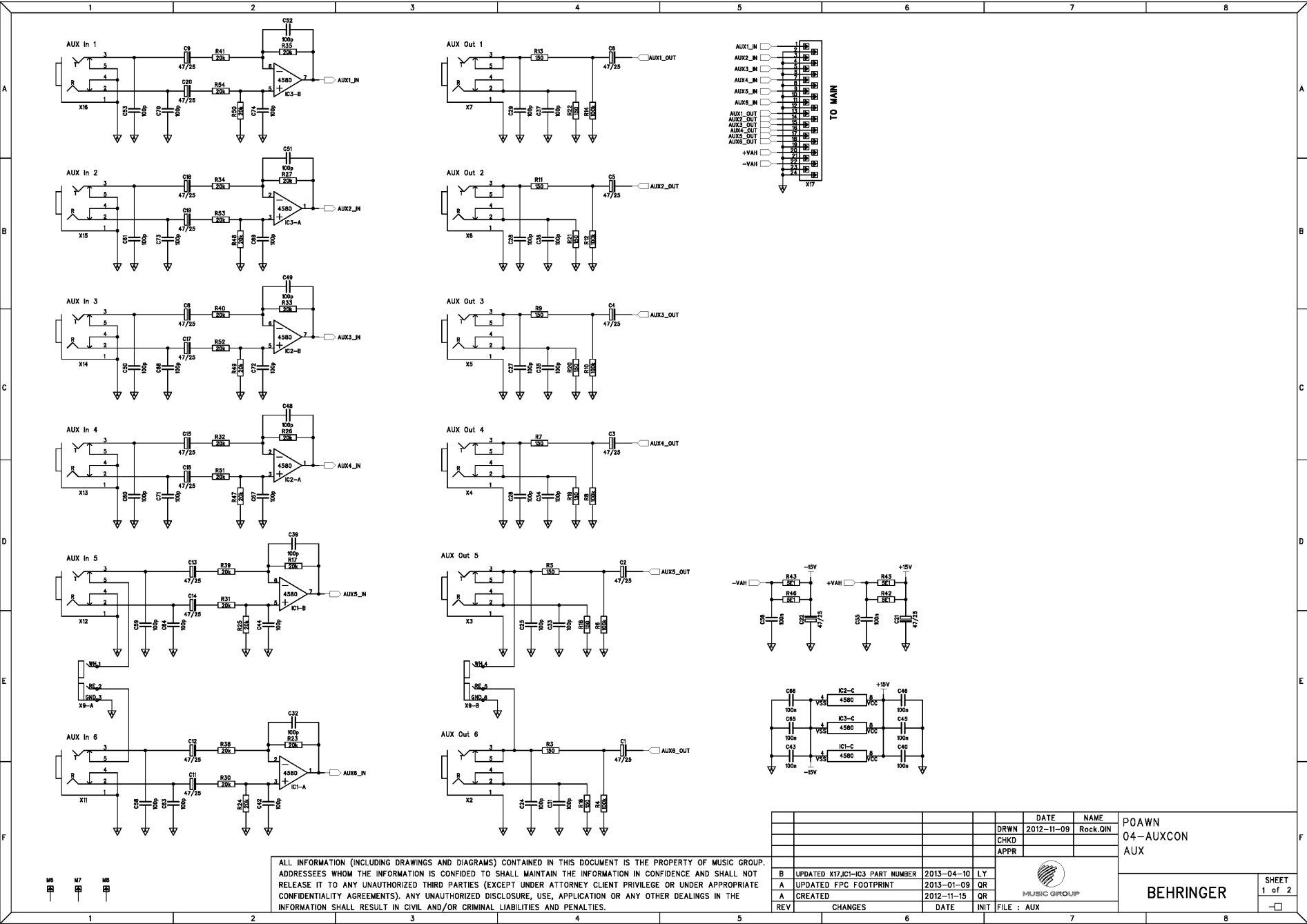
					DATE	NAME	P0AAQ	
				DRWN	2011-02-10	BLITGENA	16-MCU	
				GKHO			POWER	
				APPR				
								SHEET 2 of 7
A	CREATED	2010-08-13	QR	MUSIC GROUP			BEHRINGER	
REV	CHANGES	DATE	INIT	FILE:	POWER			



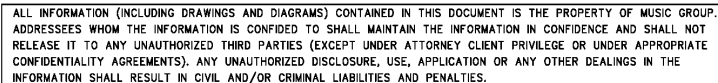


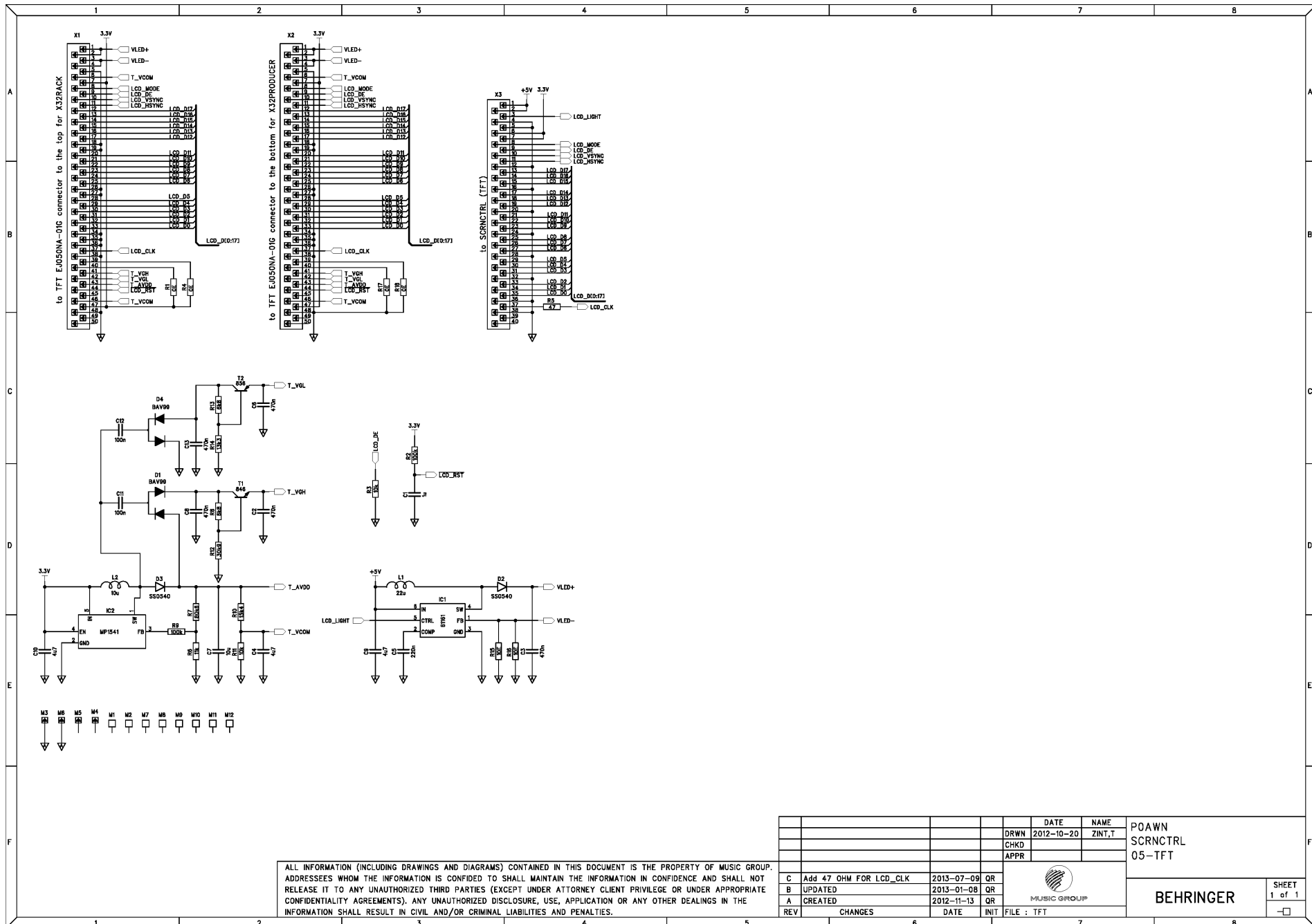


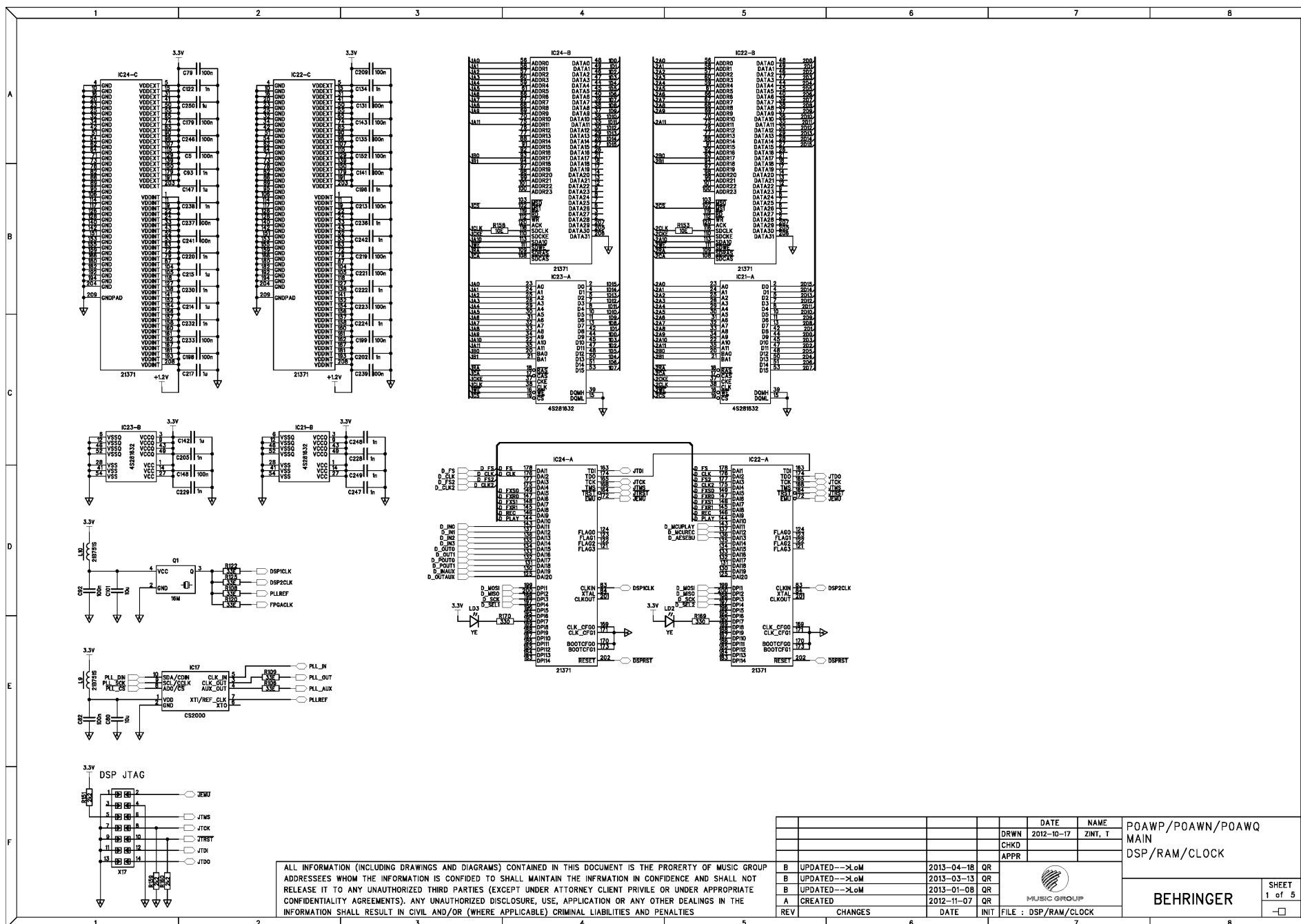
					DATE	NAME	POAWN FRONT-R HEADPHONE/DISPLAY	
				DRWN	2012-10-22	ZINT, T		
				CHKD				
				APPR				
B	UPDATED	2013-04-08	QR	 MUSIC GROUP	BEHRINGER			SHEET 1 of 1
B	UPDATED	2013-01-08	QR					
A	CREATED	2012-11-09	RJ					
REV	CHANGES	DATE	INIT	FILE : HEADPHONE/DISPLAY				☐

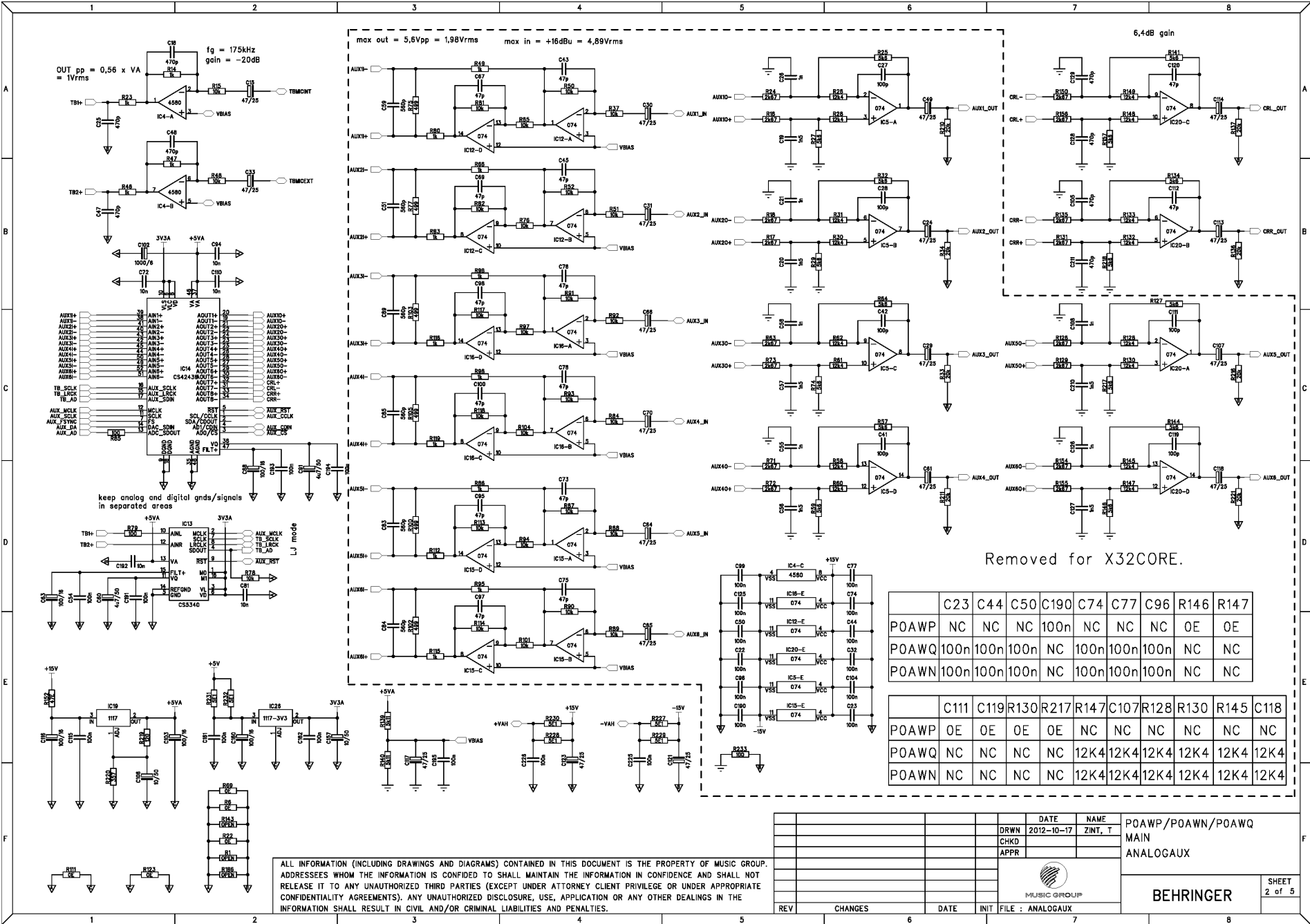


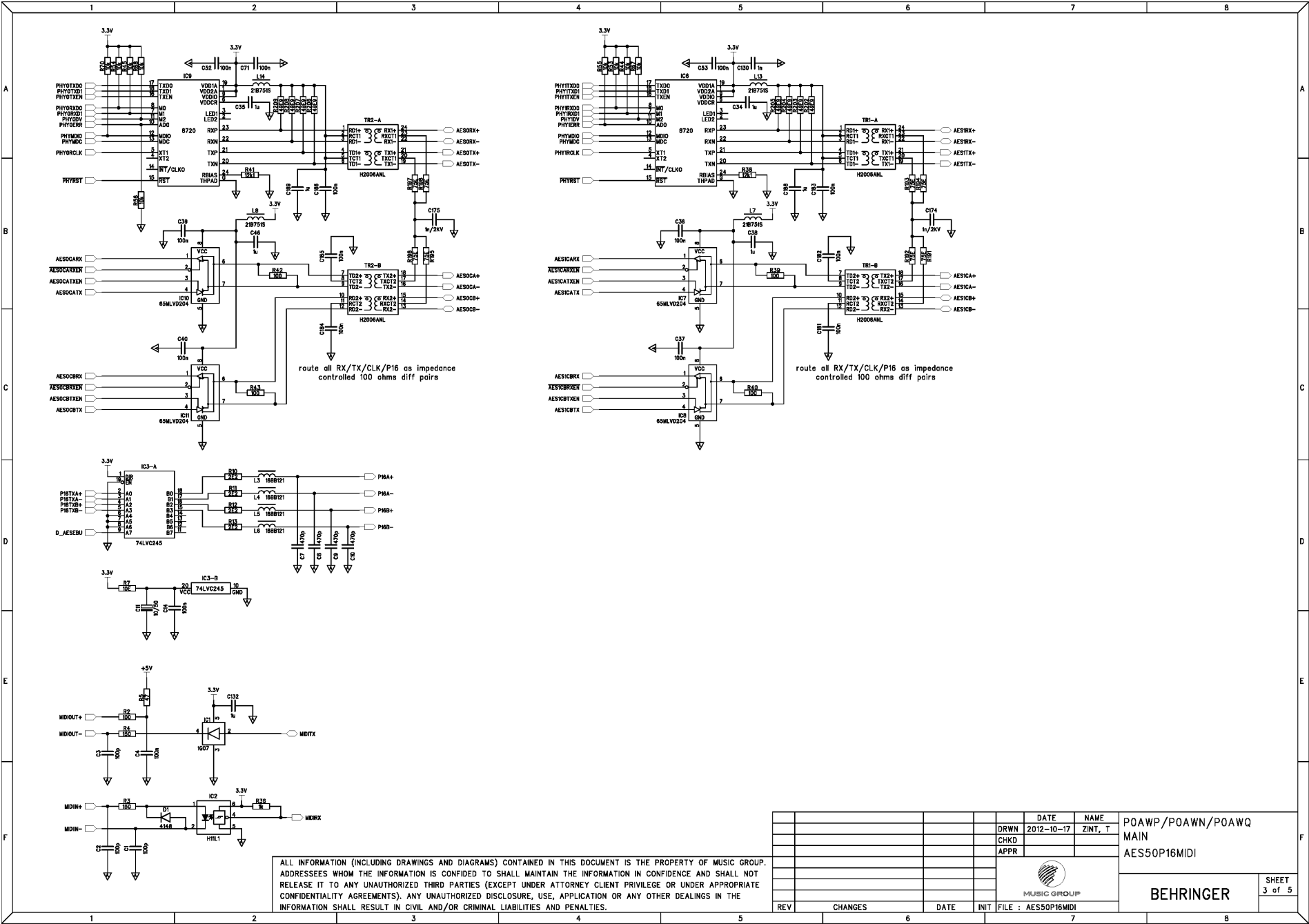
ALL INFORMATION (INCLUDING DRAWINGS AND DIAGRAMS) CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF MUSIC GROUP. ADDRESSEES WHOM THE INFORMATION IS CONFIDED TO SHALL MAINTAIN THE INFORMATION IN CONFIDENCE AND SHALL NOT RELEASE IT TO ANY UNAUTHORIZED THIRD PARTIES (EXCEPT UNDER ATTORNEY CLIENT PRIVILEGE OR UNDER APPROPRIATE CONFIDENTIALITY AGREEMENTS). ANY UNAUTHORIZED DISCLOSURE, USE, APPLICATION OR ANY OTHER DEALINGS IN THE INFORMATION SHALL RESULT IN CIVIL AND/OR CRIMINAL LIABILITIES AND PENALTIES.

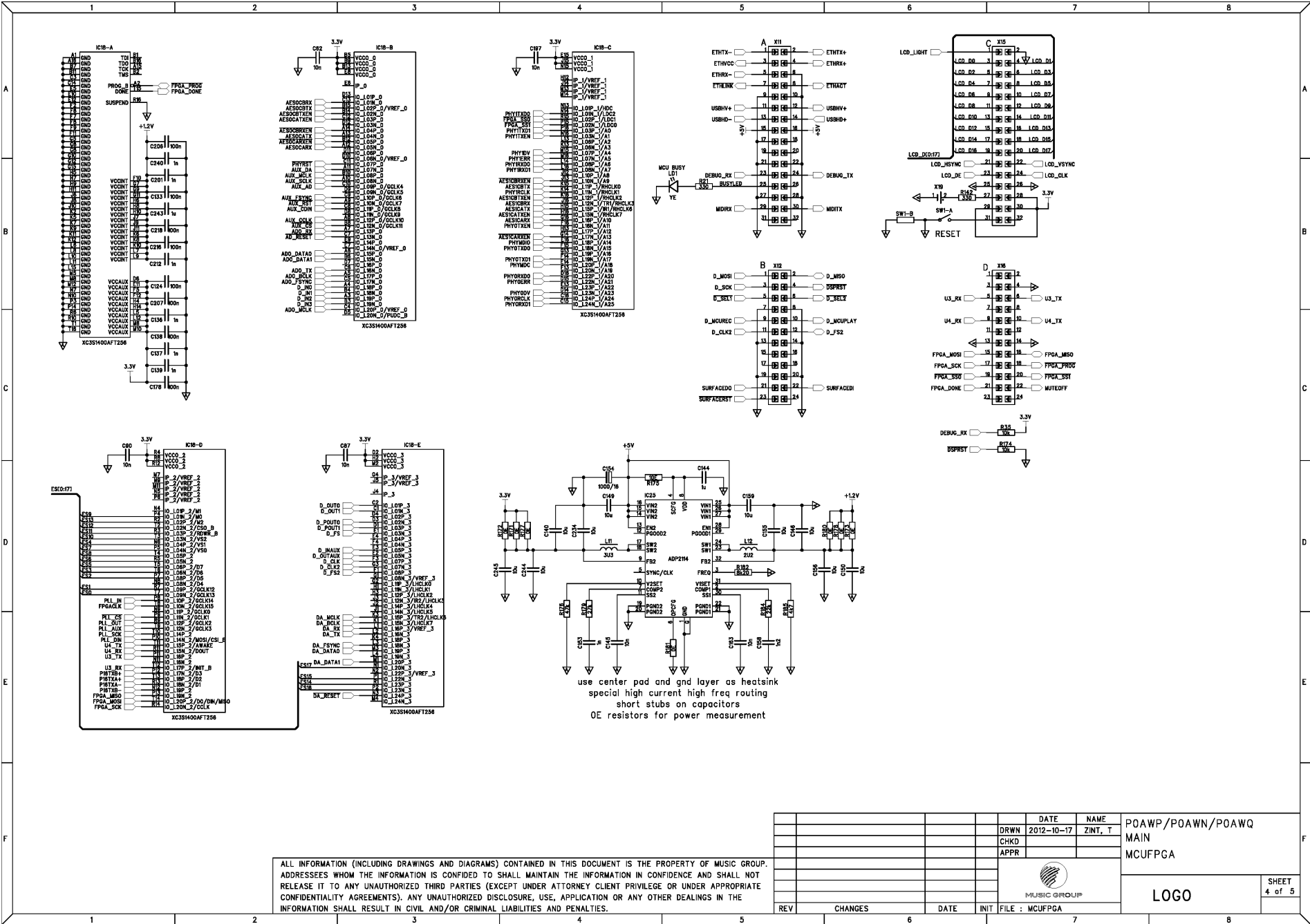


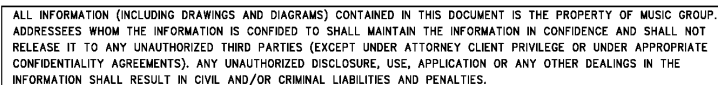




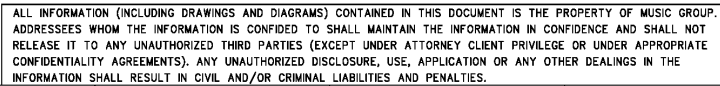


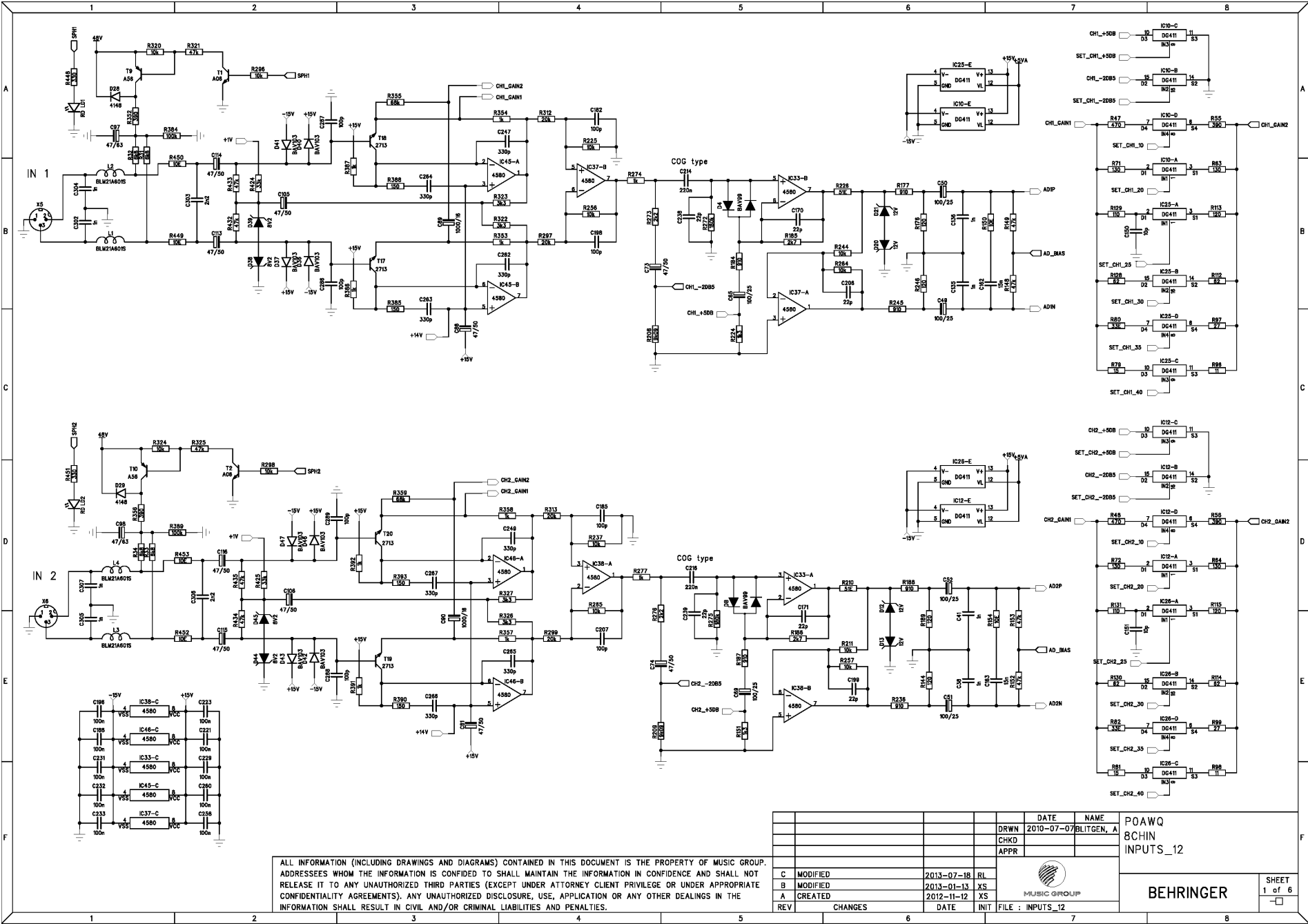


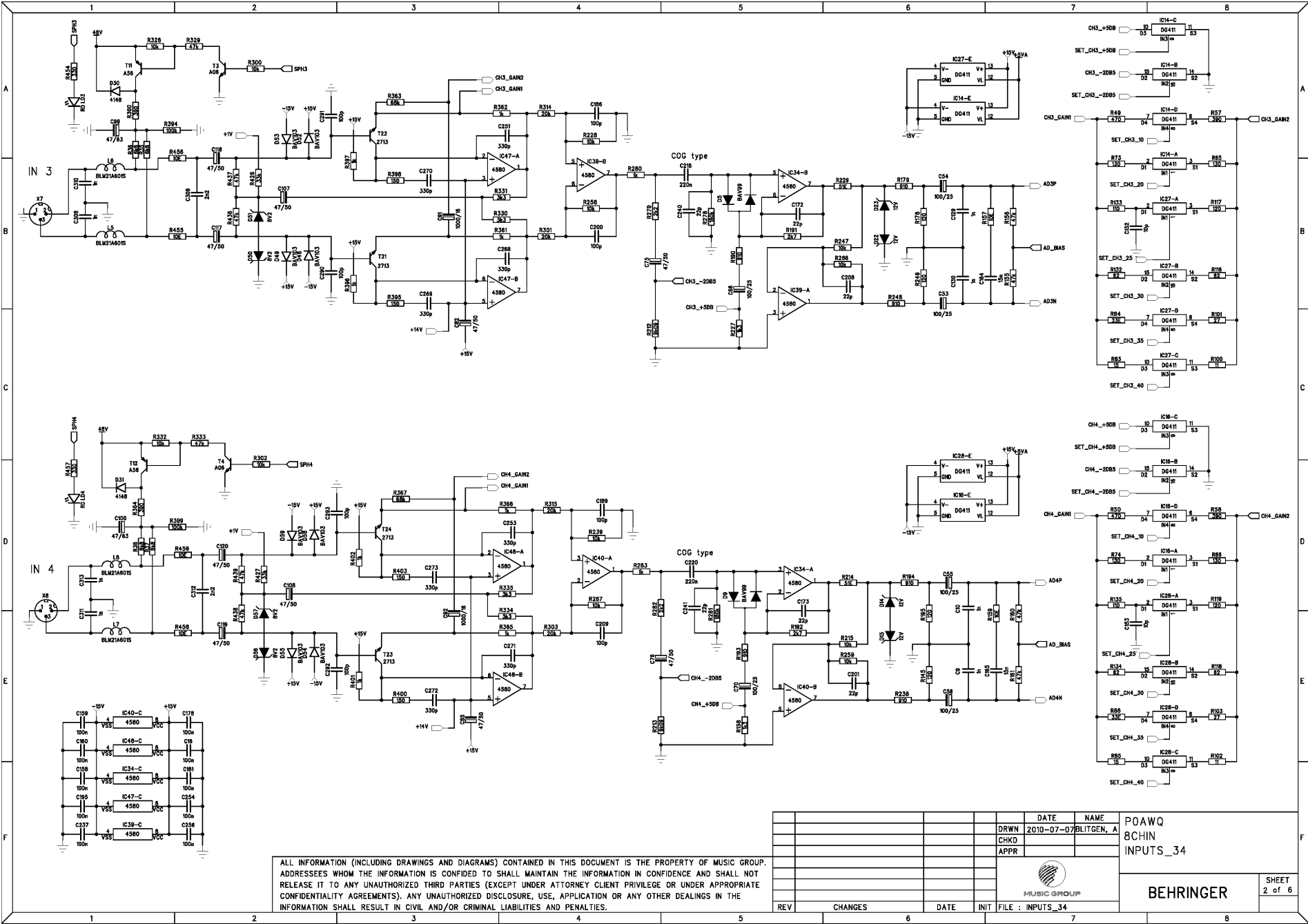


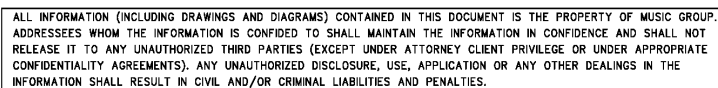


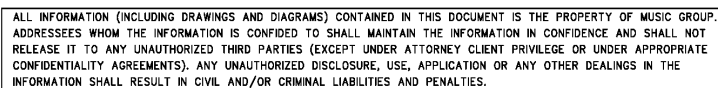
					DATE	NAME	POAWP/POAWN/POAWQ MAIN CONNECTORS
				DRWN	2012-10-17	ZINT, T	
				CHKD			
				APPR			
							
				MUSIC GROUP			
REV	CHANGES	DATE	INIT	FILE : CONNECTORS			BEHRINGER
							SHEET 5 of 5

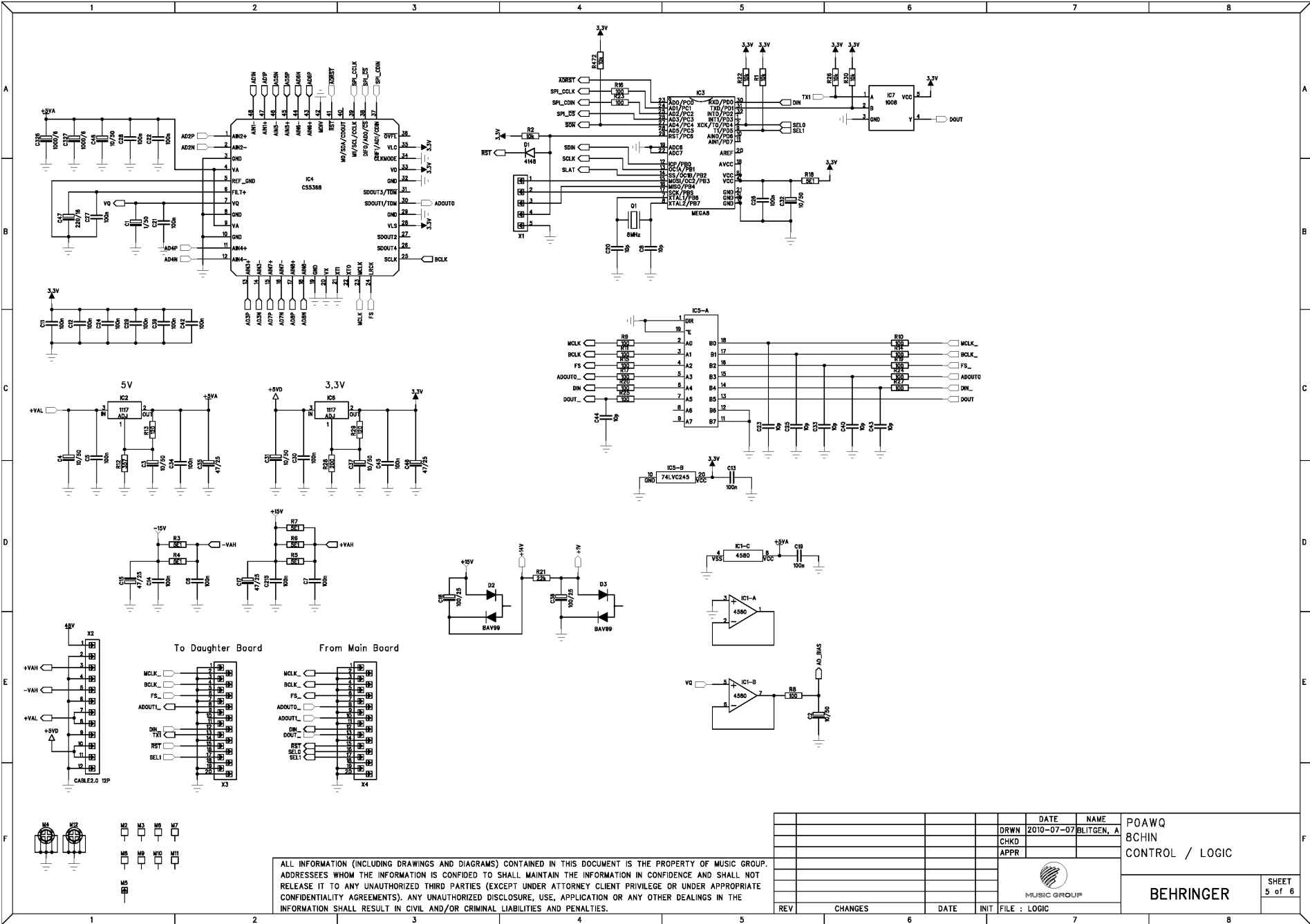


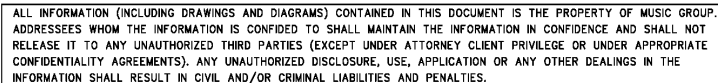


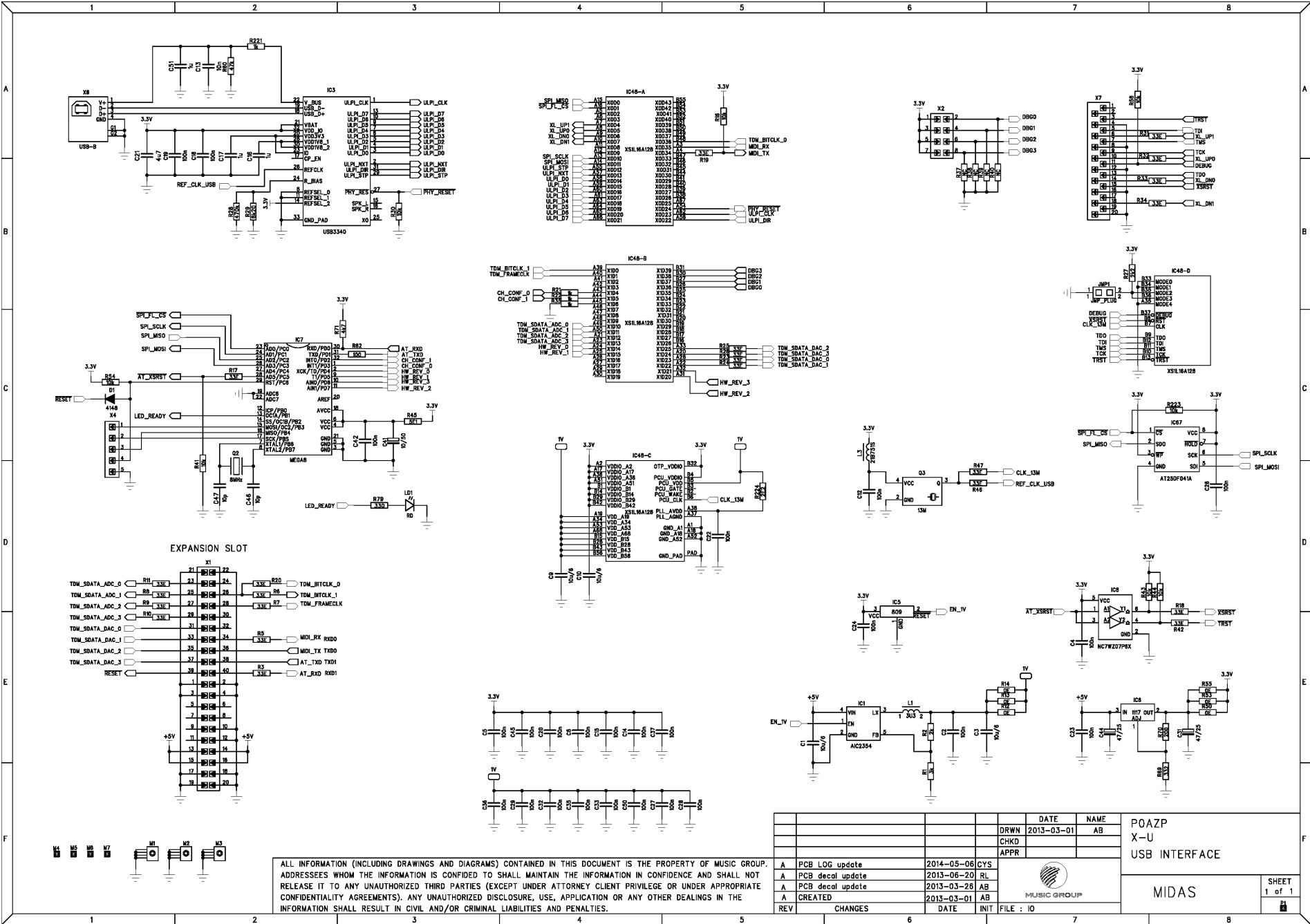


[illegible]

[illegible]







Service Assemblies

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1			Q05-AZP00-00101	A09-AZP00-41001	SPARE PART;POAZP;REV:A;FIREWIRE;PCB ASSEMBLY;X-USB;HI	[EXTRA SPARE]	
2			Q01-AZP00-00000	A09-AZP00-00000	SPARE PART;POAZP;MAIN ASSEMBLY;X-USB	[EXTRA SPARE]	
3			Q04-AWN00-99000	A09-AWN00-00000	SPARE PART;POAWN;SUB ASSEMBLY;SMPSU40	[EXTRA SPARE]	
4			Q05-AWN08-00101	A09-AWN00-00001	SPARE PART;POAWN;REV:A;PCB ASSEMBLY;8;HI;8CHOUT	[EXTRA SPARE]	
5			Q05-AWN05-00503	A09-AWN00-00003	SPARE PART;POAWN;REV:C;PCB ASSEMBLY;PCB;5;SD-TOP;TFT	[EXTRA SPARE]	
6			Q05-AWN03-00102	A09-AWN00-02002	SPARE PART;POAWN;REV:B;FRONT;PCB ASSEMBLY;3;HI;FRONT-R	[EXTRA SPARE]	
7			Q05-AWN02-00102	A09-AWN00-06002	SPARE PART;POAWN;REV:B;TOP;PCB ASSEMBLY;2;HI;SCRNCTRL	[EXTRA SPARE]	
8			Q05-AWN00-00102	A09-AWN00-07002	SPARE PART;POAWN;REV:B;MAIN;PCB ASSEMBLY;HI	[EXTRA SPARE]	
9			Q04-AWN00-58000	A09-AWN00-58000	SPARE PART;POAWN;SCREEN CARRIER;SUB ASSEMBLY;SCRNCTRL	[EXTRA SPARE]	
10			Q05-AWN16-00108	A09-AWN00-AF000	SPARE PART;POAWN;PCB ASSEMBLY;16;H;HI;MCU	[EXTRA SPARE]	
11			Q05-AWN04-00102	A09-AWN00-AX002	SPARE PART;POAWN;REV:B;AUX;PCB ASSEMBLY;4;HI;AUXCON	[EXTRA SPARE]	
12			Q05-AWP04-00101	A09-AWP00-14001	SPARE PART;POAWP;PCB ASSEMBLY;4;A;HI;PHONEJACK	[EXTRA SPARE]	
13			Q05-AWQ01-00102	A09-AWQ00-00003	SPARE PART;POAWQ;REV:C;1;HI;8CHIN;PCB ASSEMBLY	[EXTRA SPARE]	
14			Q05-AWQ01-20103	A09-AWQ00-AW003	SPARE PART;POAWQ;REV:C;AES;PCB ASSEMBLY;1;HI;WITHOUT FPC20;8CHIN	[EXTRA SPARE]	

HI Pcb Assemblies

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Q05-00000-06103	A05-00000-06103	PCB ASSEMBLY;C;HI;SMPSU40		
2	1.0000	PC	Q05-AWN01-00103	A05-AWN01-00103	PCB ASSEMBLY;POAWN;1;C;HI;FRONT_L		

Cable

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Q76-15032-55649	A76-15032-55649	CABLE;AC-CORD;CLASS II;W/POLYBAG;JAPAN;LENGTH:150cm;POLES:3;APPROVAL:PSE;JS155 3 + VCTF 3x0.75mm2 + V1528		
2	1.0000	PC	Q81-00000-70974	A81-00000-70974	WIRE HARNESS;50 MM;AWG:26;UL2468;2 MM;3;P1018-3P;A2006H-3P		
3	1.0000	PC	Q81-00000-70975	A81-00000-70975	WIRE HARNESS;450 MM;AWG:26;UL2547;2 MM;13;PIN1 RED;PIN3;PING;PIN12 SHIELD;UL2468;UL1533;P1018;A2006H	[POAWN:03: {1.0}(X2)]	
4	1.0000	PC	Q81-00000-71068	A81-00000-71068	WIRE HARNESS;250 MM;AWG:26;UL2468;2 MM;5;A2006H-5P;P1018-5P	[POAWN:01: {1.0}(X2)]	
5	1.0000	PC	Q81-00000-72503	A81-00000-72503	WIRE HARNESS;500 MM;AWG:26;UL2547;2 MM;6;PIN1 RED;PIN3 and PIN6 SHIELD;P1018-6P;A2006H-6P	[POAWN:03: {1.0}(X4)]	
6	1.0000	PC	Q81-00000-72513	A81-00000-72513	WIRE HARNESS;350 MM;AWG:26;UL2468;2 MM;7;A2006H-7P;P1018-7P	[POAWN:01: {1.0}(X5)]	
7	1.0000	PC	Q81-00000-72533	A81-00000-72533	WIRE HARNESS;80 MM;AWG:26;UL2468;2 MM;13;A2006H-13P;P1018-13P	[POAWN:02: {1.0}(X1)]	
8	1.0000	PC	Q81-00000-72541	A81-00000-72541	WIRE HARNESS;50 MM;AWG:26;UL2468;2 MM;10;A2006H-10P;P1018-10P	[POAWN:02: {1.0}(X2)]	
9	1.0000	PC	Q81-00000-72547	A81-00000-72547	WIRE HARNESS;100 MM;AWG:18;UL1007;3.96 MM;7;PIN1 RED;JS1121-7P;JS4008-7P	[POAWN:00: {1.0}(X22)]	
10	2.0000	PC	Q81-00000-75012	A81-00000-75012	WIRE HARNESS;150 MM;AWG:26;UL2468;2 MM;12;A2006H-12P;P1018-12P	[POAWQ:01: {1.0}(X2)]	
11	1.0000	PC	Q81-00000-75025	A81-00000-75025	WIRE HARNESS;220 MM;AWG:26;UL2468;2 MM;12;A2006H-12P;P1018-12P	[POAWN:08: {1.0}(X1)]	PSU01/X16
12	2.0000	PC	Q85-00000-39129	A85-00000-39129	WIRE HARNESS;1 MM;20;140 MM;FLEX FLAT CABLE	[: {2.0}(X14,X20)]	
13	1.0000	PC	Q85-00000-39131	A85-00000-39131	WIRE HARNESS;1 MM;20;100 MM;FLEX FLAT CABLE	[: {1.0}(X3)]	8CHIN X3(2) TO 8CHIN X4(1)
14	1.0000	PC	Q85-00000-78487	A85-00000-78487	WIRE HARNESS;380 MM;1 MM;24;The isolated tape outside;conductive cloth inside	[: {1.0}(X13)]	
15	1.0000	PC	Q85-00000-85588	A85-00000-85588	WIRE HARNESS;250 MM;0.5 MM;40;Add a conductive cloth	[: {1.0}(X18)]	
16	1.0000	PC	Q76-00001-31031	A76-00001-31031	CABLE;AC-CORD;W/POLYBAG;LENGTH:150cm;AWG:18;H05VV-F 3G0.75MM;VERSION;UK;5A FUSE		(UK)
17	1.0000	PC	Q76-18050-47490	A76-18050-06505	CABLE;AC-CORD;LENGTH:180cm;VERSION:SAA;PLUG:HE105 ISOLATED;SAA H05VV-F 3x0.75mm2;CONN.HP-3;PANYU		(SAA)
18	1.0000	PC	Q81-00000-75025	A81-00000-75025	WIRE HARNESS;220 MM;AWG:26;UL2468;2 MM;12;A2006H-12P;P1018-12P	[POAWN:08: {1.0}(X1)]	(EU, UL, UK, SAA, BR, AR, JPHM)
19	1.0000	PC	Q76-18050-47490	A76-18050-47490	CABLE;AC-CORD;LENGTH:180cm;VERSION:SAA;PLUG:HE105 ISOLATED;SAA H05VV-F 3x0.75mm2;CONN.HP-3;SPEC.NO:47490		(SAA)
20	1.0000	PC	Q76-15222-06417	A76-15222-06417	CABLE;AC-CORD;W/POLYBAG;LENGTH:152cm;AWG:18;VERSION;UL;SPEC.NO:0 6417		(UL)
21	1.0000	PC	Q76-00000-05305	A76-00000-05305	CABLE;AC-CORD;3;BR;1500 MM;Plug + Connector:375+730;H05VV-F 3G0.75		(BR)
22	1.0000	PC	Q85-00000-39131	A85-00000-39131	WIRE HARNESS;1 MM;20;100 MM;FLEX FLAT CABLE	[: {1.0}(X3)]	(EU, UL, UK, SAA, BR, AR, JPHM)
23	1.0000	PC	Q76-15212-03119	A76-15212-03119	CABLE;AC-CORD;W/POLYBAG;LENGTH:152cm;H05VV-F 3G 0.75MM2;VERSION;EU;SPEC.NO:03119		(EU)
24	1.0000	PC	Q76-00000-13573	A76-00000-13573	CABLE;AC-CORD;3;AR;1500 MM;Plug + Connector:321+730;H05VV-F 3G0.75		(AR)

Capacitor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC			CAP E;220uF;10V;PITCH:2mm5;6mm x 11mm;VERTICAL 12.7-15-9mm	[P0AWN:01: {1.0}](C17)]	*NOT available in DP
2	17.0000	PC			CAP E;1mF;16V;PITCH:5mm;10mm x 16mm;VERTICAL 12.7-15-9mm	[P0AWN:00: {1.0}](C154)]	*NOT available in DP
3	14.0000	PC			CAP E;47uF;25V;PITCH:2mm5;6mm3 x 7mm;VERTICAL 12.7-15-9mm	[P0AAP:07: {14.0}](C24,C31-C34,C44,C68-C75)]	*NOT available in DP
4	7.0000	PC			CAP E;1 mF;6.3 V;20 %;PITCH:5 MM;RADIAL;SIZE:8X11;L: 11+0.5MM;VERTICAL 12.7-15-9mm;85C	[P0AWN:00: {1.0}](C102)]	*NOT available in DP
5	6.0000	PC			CAP CER;560 pF;50 V;COG;5 %;SMD805	[P0AWN:00: {6.0}](C51,C59,C83-C85,C89)]	*NOT available in DP
6	16.0000	PC			CAP CER;15 nF;100 V;X7R;5 %;SMD805	[P0AWQ:1: {8.0}](C162-C169)]	*NOT available in DP
7	38.0000	PC			CAP CER;1 nF;50 V;COG;5 %;SMD805	[P0AWN:00: {6.0}](C21,C26,C55,C58,C108,C126)]	*NOT available in DP
8	1.0000	PC			CAP CER;10 uF;25 V;X7R;10 %;SMD1206	[P0AWN:5: {1.0}](C7)]	*NOT available in DP
9	13.0000	PC			CAP CER;10 nF;50 V;X7R;10 %;SMD603	[P0AZP:00: {1.0}](C13)]	*NOT available in DP
10	2.0000	PC			CAP CER;1 nF;2 kV;X7R;10 %;SMD1206	[P0AWN:00: {2.0}](C174-C175)]	*NOT available in DP
11	82.0000	PC			CAP CER;100 pF;50 V;COG;5 %;SMD603	[P0AWN:00: {3.0}](C1-C3)]	*NOT available in DP
12	5.0000	PC			CAP CER;470 pF;50 V;COG;5 %;SMD603	[P0AWN:00: {4.0}](C7-C10)]	*NOT available in DP
13	27.0000	PC			CAP CER;1 nF;50 V;COG;5 %;SMD603	[P0AWN:00: {8.0}](C93,C122,C130,C134,C136-C137,C139,C153)]	*NOT available in DP
14	1.0000	PC			CAP CER;1 uF;16 V;X7R;10 %;SMD805;C0805C105K4RAC	[P0AWN:5: {1.0}](C1)]	*NOT available in DP
15	6.0000	PC			CAP CER;10 nF;50 V;X7R;10 %;SMD402	[P0AAQ:16: {4.0}](C2-C4,C13)]	*NOT available in DP
16	1.0000	PC			CAP CER;10 nF;50 V;X7R;5 %;SMD805	[C:00: {1.0}](C39)]	*NOT available in DP
17	6.0000	PC			CAP CER;1.5 nF;50 V;COG;2 %;SMD805	[P0AWN:00: {5.0}](C19-C20,C56-C57,C127)]	*NOT available in DP
18	8.0000	PC			CAP CER;150 pF;50 V;COG;5 %;SMD603	[P0AAP:07: {8.0}](C60-C67)]	*NOT available in DP
19	24.0000	PC			CAP CER;10 uF;16 V;X5R;10 %;SMD805	[P0AZP:00: {4.0}](C1,C3,C9-C10)]	*NOT available in DP
20	16.0000	PC			CAP CER;2.2 nF;100 V;X7R;10 %;SMD805	[P0AWQ:1: {8.0}](C303,C306,C309,C312,C315,C318,C321,C324)]	*NOT available in DP
21	3.0000	PC			CAP CER;4.7 uF;25 V;X5R;10 %;SMD805;TC ITEM	[P0AWN:5: {3.0}](C4,C9-C10)]	*NOT available in DP
22	1.0000	PC			CAP CER;4.7 uF;6.3 V;X5R;20 %;SMD603	[P0AZP:00: {1.0}](C21)]	*NOT available in DP
23	21.0000	PC			CAP CER;1uF;10V;X5R;10%;SMD603	[P0AZP:00: {3.0}](C16-C17,C51)]	*NOT available in DP
24	52.0000	PC			CAP CER;100nF;10V;X5R;10%;SMT402;	[P0AAQ:16: {16.0}](C1,C6-C12,C14-C16,C18,C20-C22,C28)]	*NOT available in DP
25	4.0000	PC			CAP CER;470nF;25V;X7R;10%;SMT805	[P0AWN:5: {4.0}](C2,C6,C8,C13)]	*NOT available in DP
26	53.0000	PC			CAP CER;10pF;50V;5%;COG;SMT603	[P0AZP:00: {2.0}](C46-C47)]	*NOT available in DP
27	52.0000	PC			CAP CER;20pF;50V;5%;COG;SMT603	[P0AAQ:16: {2.0}](C29-C30)]	*NOT available in DP
28	30.0000	PC			CAP CER;47pF;50V;5%;SMD603;COG	[P0AWN:00: {12.0}](C43,C45,C67,C69,C73,C75-C76,C78,C95,C97-C98,C100)]	*NOT available in DP
29	64.0000	PC			CAP CER;330pF;50V;COG;5%;SMD603	[P0AWQ:1: {32.0}](C247,C249,C251,C253,C255,C257,C259,C261-C285)]	*NOT available in DP
30	3.0000	PC			CAP CER;680pF;50V;COG;5%;SMD603	[P0AWN:04: {3.0}](C41,C47,C54)]	*NOT available in DP
31	1.0000	PC			CAP CER;1nF;250V;10%;SMT603	[P0AWN:00: {1.0}](C158)]	*NOT available in DP
32	8.0000	PC			CAP CER;1nF;50V;COG;5%;SMT603;(MURATA GRM1885C1H152JA01D)	[P0AAP:07: {8.0}](C76,C78-C79,C81-C82,C84-C85,C87)]	*NOT available in DP
33	8.0000	PC			CAP CER;2nF;50V;COG;5%;SMT603;(MURATA GRM1885C1H222JA01D)	[P0AAP:07: {8.0}](C48-C55)]	*NOT available in DP
34	128.0000	PC			CAP CER;100nF;50V;10%;X7R;SMT603	[P0AZP:00: {23.0}](C2,C4-C5,C8,C12,C14-C15,C18-C20,C22,C24,C26-C29,C32-C33,C35-C37,C45,C50)]	*NOT available in DP
35	2.0000	PC			CAP CER;47 pF;50 V;COG;5 %;SMD805	[P0AWN:00: {2.0}](C112,C120)]	*NOT available in DP
36	25.0000	PC			CAP CER;470pF;50V;COG;2%;SMD805	[C:00: {1.0}](C35)]	*NOT available in DP
37	32.0000	PC			CAP CER;1nF;50V;10%;SMT805;X7R	[P0AWQ:1: {16.0}](C302,C304-C305,C307-C308,C310-C311,C313-C314,C316-C317,C319-C320,C322-C323,C325)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
38	218.0000	PC			CAP CER;100nF;50V;X7R;10%;SMT805	[P0AZP:00: {2.0}(C23,C42)]	*NOT available in DP
39	17.0000	PC			CAP CER;220nF;50V;10%;SMT805;SMD;X7R	[P0AWQ:1: {8.0}(C214,C216,C218,C220,C222,C224,C226,C228)]	*NOT available in DP
40	1.0000	PC			CAP CER;1uF;50V;X7R;10%;SMD805	[C:00: {1.0}(C43)]	*NOT available in DP
41	1.0000	PC			CAP CER;470nF;50V;X7R;10%;SMD1206	[P0AWN:5: {1.0}(C3)]	*NOT available in DP
42	4.0000	PC			CAP CER;15pF;50V;C0G;5%;SMT402;(MURATA GRM1555C1H150JZ01E)	[P0AAQ:16: {4.0}(C25-C26,C73-C74)]	*NOT available in DP
43	38.0000	PC			CAP CER;100pF;100V;C0G;10%;SMD805	[P0AWN:00: {6.0}(C27-C28,C41-C42,C111,C119)]	*NOT available in DP
44	1.0000	PC			CAP Y1;2nF2;250V;P:10mm0;PRECUT:3MM1 +/-0MM5	[C:00: {1.0}(C17)]	*NOT available in DP
45	1.0000	PC			CAP Y1;1nF;275V;PITCH:10mm;Y1	[C:00: {1.0}(C3)]	*NOT available in DP
46	2.0000	PC			CAP Y2;2nF2;250V;PITCH:7mm5;DISC;CASE:4 x 10mm	[C:00: {2.0}(C22-C23)]	*NOT available in DP
47	1.0000	PC			CAP E;105°C;330uF;400V;20%;PITCH:10mm;30mm x 40mm;SNAP-IN	[C:00: {1.0}(C8)]	*NOT available in DP
48	2.0000	PC	R12-32470-31378	B12-32470-31378	CAP X2;470nF;275V;PITCH:22mm5;CASE:11mm x 26mm;CASE:11mm x 26mm;PRE-CUT:3.2+/-0.5mm	[C:00: {2.0}(C11,C18)]	
49	1.0000	PC			CAP E;470uF;25V;PITCH:5mm;10mmx16mm;20%;LOW ESR;RAD;VERTICAL 12.7-15-9mm	[C:00: {1.0}(C15)]	*NOT available in DP
50	5.0000	PC			CAP E;1mF;25V;PITCH:5mm;10mm x 20mm;LOW ESR;VERTICAL 12.7-15-9mm	[C:00: {5.0}(C13-C14,C19-C21)]	*NOT available in DP
51	1.0000	PC			CAP CER;100pF;1KV;20%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[C:00: {1.0}(C4)]	*NOT available in DP
52	1.0000	PC			CAP CER;330pF;1KV;20%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[C:00: {1.0}(C9)]	*NOT available in DP
53	1.0000	PC			CAP CER;10 nF;500 V;X7R;5 %;SMD1206	[C:00: {1.0}(C52)]	*NOT available in DP
54	4.0000	PC			CAP CER;1nF;200V;X7R;10%;SMT805	[C:00: {4.0}(C27,C42,C50-C51)]	*NOT available in DP
55	1.0000	PC			CAP CER;4nF7;200V;X7R;10%;SMT805	[C:00: {1.0}(C44)]	*NOT available in DP
56	1.0000	PC			CAP E;47 uF;16 V;20 %;DXL:5X5MM5;SMD	[P0AAQ:16: {1.0}(C31)]	*NOT available in DP
57	1.0000	PC			CAP FILM;10nF;400V;MPF;10%;PITCH:5mm;BOX;VERTICAL 12.7-15-9mm	[C:00: {1.0}(C1)]	*NOT available in DP
58	54.0000	PC			CAP E;47uF;25V;PITCH:2mm5;5mm x 11mm;105C;VERTICAL 12.7-15-9mm	[P0AZP:00: {2.0}(C31,C44)]	*NOT available in DP
59	68.0000	PC			CAP E;100uF;25V;PITCH:2mm5;6mm3 x 11mm;105C;VERTICAL 12.7-15-9mm	[P0AAP:07: {16.0}(C120-C135)]	*NOT available in DP
60	3.0000	PC			CAP E;1uF;50V;PITCH:2mm5;5mm x 11mm;105C;VERTICAL 12.7-15-9mm	[P0AAP:07: {1.0}(C43)]	*NOT available in DP
61	28.0000	PC			CAP E;10uF;50V;PITCH:2mm5;5mm x 11mm;105C;VERTICAL 12.7-15-9mm	[P0AZP:00: {1.0}(C41)]	*NOT available in DP
62	2.0000	PC			CAP E;47uF;50V;PITCH:2mm5;6.3mmx11mm;VERTICAL 12.7-15-9mm	[C:00: {2.0}(C12,C16)]	*NOT available in DP
63	18.0000	PC			CAP E;47uF;63V;PITCH:2mm5;6mm3 x 11mm;105C;VERTICAL 12.7-15-9mm	[C:00: {2.0}(C2,C6)]	*NOT available in DP
64	2.0000	PC			CAP E;105C;220 uF;16 V;ELECTROLYTIC;20 %;RADIAL;6.3*11;2.5 MM;VERTICAL 12.7-15-9mm	[P0AWQ:01: {1.0}(C47)]	*NOT available in DP
65	2.0000	PC			CAP E;105C;470 uF;16 V;20 %;SIZE 8X11;PITCH 5 MM;VERTICAL 12.7-15-9mm	[C:00: {2.0}(C7,C10)]	*NOT available in DP
66	6.0000	PC			CAP E;105C;100 uF;16 V;20 %;PITCH:2.5 MM;RADIAL;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0AWN:00: {5.0}(C63,C88,C103,C116,C160)]	*NOT available in DP
67	2.0000	PC			CAP E;105C;4.7 uF;50 V;20 %;PITCH:2.5 MM;RADIAL;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0AWN:00: {2.0}(C60,C91)]	*NOT available in DP
68	1.0000	PC			CAP E;220uF;100V;PITCH:5mm;13mm x 25mm;PRECUT:3mm2 - 0/+0mm2;105C	[C:00: {1.0}(C5)]	*NOT available in DP
69	82.0000	PC			CAP E;47uF;50V;PITCH:2mm5;6mm x 11mm;LOW LEAKAGE;VERTICAL 12.7-15-9mm	[P0AWQ:01: {40.0}(C73-C88,C105-C128)]	*NOT available in DP

Circuit Protector

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R22-01513-20001	B22-01513-20001	FUSE;2A0;250V;SLOW BLOW;H-TYPE;5mm x 20mm		

Coil

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC	R37-00000-35431	B37-00000-35431	COIL;CHOKE;1000 OHMS;SMD;SMDWCM3216S-102-2P	[P0AWN:00: {2.0}(L1-L2)]	
2	2.0000	PC	R37-00000-60672	B37-00000-60672	COIL;CHOKE;30 mH;0.55 OHMS;30mH	[C:00: {2.0}(L2,L4)]	
3	1.0000	PC	R37-21800-05016	B37-21800-05016	COIL;CHOKE;180uH;T31X19X13;WIRE DIA:0mm8	[C:00: {1.0}(L3)]	
4	10.0000	PC	R39-00000-03394	B39-00000-03394	COIL;SMD;BEAD;SMD0805;(BLM21BD751SN1D)	[P0AZP:00: {1.0}(L3)]	
5	3.0000	PC	R39-00000-19577	B39-00000-19577	COIL;SMD;3.3 uH;3A;20%;SIZE:1040;TAPE and Reel	[P0AZP:00: {1.0}(L1)]	
6	1.0000	PC	R39-00000-19578	B39-00000-19578	COIL;SMD;1040;2.2 uH;4A MIN;20%;TAPE and REEL	[P0AWN:00: {1.0}(L12)]	
7	1.0000	PC	R39-00000-70447	B39-00000-70447	COIL;10uH;20%;SMD;DEM3518C;3MM5X3MM7X1MM8;900mA MIN	[P0AWN:5: {1.0}(L2)]	
8	1.0000	PC	R39-00000-70448	B39-00000-70448	COIL;22uH;20%;SMD;DEM3518C;3MM5X3MM7X1MM8;800mA MIN	[P0AWN:5: {1.0}(L1)]	
9	4.0000	PC	R39-21202-00018	B39-21202-00018	COIL;SMD BEAD;SMD1608;(MURATA BLM18BB121))	[P0AWN:00: {4.0}(L3-L6)]	
10	10.0000	PC	R39-21202-00651	B39-21202-00651	COIL;SMD BEAD;SMD603;(MURATA BLM18AG601SN1))	[P0AAQ:16: {2.0}(L1-L2)]	
11	32.0000	PC	R39-26000-21049	B39-26000-21049	COIL;SMD;BEAD;(BLM21AG601S)	[P0AWQ:1: {16.0}(L1-L16)]	
12	4.0000	PC	R40-21152-39393	B40-21152-39393	COIL;11uH5;5A;PITCH:10mm;TOR;RAD	[C:00: {4.0}(L1,L5-L7)]	

Computer

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R51-00000-59331	B51-00000-59331	MEMORY CARD;P0AAQ;256MB;microSD		

Connector

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R83-00000-11200	B83-00000-11200	USB CONNECTOR;4;VERTICAL;CHUNSHENG;USB-A-110BK-EP	[POAWN:01: {1.0}(X1)]	
2	1.0000	PC	R83-00000-17677	B83-00000-17677	CONNECTOR;40;TX24-40R-LT-H1E	[POAWN:00: {1.0}(X21)]	
3	1.0000	PC	R83-00000-17678	B83-00000-17678	CONNECTOR;40;TX25-40P-LT-H1E	[POAZP:00: {1.0}(X1)]	
4	6.0000	PC	R83-00000-17806	B83-00000-17806	CONNECTOR;20;1 MM;SMD;FPC20 VERTICAL	[POAWN:00: {2.0}(X14,X20)]	
5	1.0000	PC	R83-00000-17833	B83-00000-17833	CONNECTOR;24;1 MM;SMD;FPC24 VERTICAL	[POAWN:00: {1.0}(X13)]	
6	2.0000	PC	R83-00000-18408	B83-00000-18408	CONNECTOR;40;0.5 MM;SMD;FH12-40S-0.5SV	[POAWN:00: {1.0}(X18)]	
7	1.0000	PC	R83-00000-57291	B83-00000-57291	CONNECTOR;MICRO SD;HINGE;8;GOLD;SMD;MOLEX: 5009010801	[POAAQ:16: {1.0}(X1)]	
8	1.0000	PC	R83-00000-70431	B83-00000-70431	CONNECTOR;FPC;50;PITCH:0MM5;HORIZONTAL;TAPE AND REEL	[POAWN:5: {1.0}(X1)]	
9	1.0000	PC	R83-00000-80564	B83-00000-80564	CONNECTOR;24;1 MM;BRASS W TIN;VERTICAL;FPC;1.0D-24P	[POAWN:04: {1.0}(X17)]	
10	1.0000	PC	R83-20184-37925	B83-20184-37925	CONNECTOR;FEMALE;ANGLED;USB;SINGLE;TYPE:B	[POAZP:00: {1.0}(X6)]	
11	2.0000	PC	R84-00000-01617	B84-00000-01617	AMP TERMINAL;BRASS;707A-BS-2		
12	7.0000	PC	R84-19056-06015	B84-19056-06015	CONNECTOR;TERMINAL;BRASS W TIN;AWG16-22;;J5-4008-T		
13	7.0000	PC	R84-22000-06018	B84-22000-06018	CRIMP TERMINAL;PITCH:3mm96;AWG18-22;A3963TOP-2		
14	93.0000	PC	R84-25016-06014	B84-25016-06014	CRIMP TERMINAL;PITCH:2mm0;AWG24-30;A2008TOP-2		
15	2.0000	PC	R84-30060-06009	B84-30060-06009	JACKET;FOR 6mm35 AMP CONNECTOR;PVC;STRAIGHT;DIAMETER:4mm		
16	2.0000	PC	R84-39000-03120	B84-39000-03120	CONNECTOR;AMP;PCB;PCB MOUNT;PITCH:5mm;WIDTH:6mm3	[C:00: {2.0}(X6-X7)]	
17	1.0000	PC	R84-42050-00155	B84-42050-00155	CRIMP CONNECTOR;LUG;INNER DIA:4mm3;AWG 14-18;WIRE MOUNT;STRAIGHT		
18	5.0000	PC	R93-00000-51731	B93-00000-51731	BARE WIRE;2;SMD1206	[POAWN:00: {5.0}(R6,R22,R69,R111,R123)]	
19	1.0000	PC	R93-80000-01038	B93-80000-01038	CONNECTOR;BATTERY HOLDER;(H2611)	[POAWN:00: {1.0}(X19)]	
20	2.0000	PC	R95-00000-18292	B95-00000-18292	CONNECTOR;XLR;8;2.54 MM;SHIELDED;NEUTRIK: NE8FBH	[POAWN:00: {2.0}(X5-X6)]	
21	8.0000	PC	R95-00000-52553	B95-00000-52553	CONNECTOR;XLR;SOCKET;MALE;ANGLED;POLES:3;SHIELDED	[POAWN:08: {8.0}(X5-X12)]	
22	1.0000	PC	R95-14340-00164	B95-14340-00164	CONNECTOR;XLR;SOCKET;FEMALE;STRAIGHT;POLES:3;NO:06;(CHUN SHENG CT3-02HF)	[POAWN:04: {1.0}(X8)]	
23	16.0000	PC	R95-14380-04268	B95-14380-04268	CONNECTOR;XLR;POLES:3;SOCKET;ANGLED;W/ PUSH TERMINAL	[POAWQ:01: {8.0}(X5-X12)]	

Diode

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC			DIODE;SCHOTTKY;S50540-R1-00001;IAV:0.5A;SOD123;SMD	[P0AWN:5: {2.0}(D2-D3)]	*NOT available in DP
2	1.0000	PC			DIODE;STANDARD;185 V;DO201AD;1.5KE220A	[C:00: {1.0}(D1)]	*NOT available in DP
3	69.0000	PC			DIODE;BAV103;SOD80;TEMIC	[C:00: {3.0}(D12,D14,D17)]	*NOT available in DP
4	22.0000	PC			DIODE;BAV99;SOT23;SMD	[P0AWQ:1: {8.0}(D4-D11)]	*NOT available in DP
5	23.0000	PC			DIODE;LL4148;LL34;TEMIC OR FC;SMD	[P0AZP:00: {1.0}(D1)]	*NOT available in DP
6	1.0000	PC			DIODE;ZPD15V0;DO35;TEMIC OR FC	[C:00: {1.0}(D6)]	*NOT available in DP
7	1.0000	PC			DIODE;ZMM04V3;SMD1206	[C:00: {1.0}(D13)]	*NOT available in DP
8	1.0000	PC			DIODE;ZMM04V7;SMD1206;SMD	[C:00: {1.0}(D15)]	*NOT available in DP
9	32.0000	PC			DIODE;ZMM08V2;SMD1206;SMD	[P0AWQ:1: {16.0}(D38-D39,D44-D45,D50-D51,D56-D57,D62-D63,D68-D69,D74-D75,D80-D81)]	*NOT available in DP
10	32.0000	PC			DIODE;ZMM12V0;SMD1206	[P0AWQ:1: {16.0}(D12-D27)]	*NOT available in DP
11	1.0000	PC			DIODE;ZMM15V0;SMD1206	[C:00: {1.0}(D16)]	*NOT available in DP
12	1.0000	PC			DIODE;ZMM47V0;SMD1206	[C:00: {1.0}(D11)]	*NOT available in DP
13	3.0000	PC			DIODE;RECTIFIER;DUAL;ULTRAFAST;10A;200V;STTH1002CFP;TO-220FPAB	[C:00: {3.0}(D8-D10)]	*NOT available in DP
14	1.0000	PC			DIODE;UF4007;DO41	[C:00: {1.0}(D3)]	*NOT available in DP
15	1.0000	PC			DIODE;RECTIFIER;MUR120;DO41	[C:00: {1.0}(D7)]	*NOT available in DP
16	1.0000	PC			DIODE;RECTIFIER;SR360;DO201	[C:00: {1.0}(D5)]	*NOT available in DP
17	1.0000	PC			DIODE;RECTIFIER;HER207;DO15	[C:00: {1.0}(D4)]	*NOT available in DP
18	2.0000	PC			DIODE;5 V;RCLAMP0502B;SOT-523	[P0AAQ:16: {2.0}(D1-D2)]	*NOT available in DP
19	1.0000	PC	X80-25221-00400	H80-25221-00400	RECTIFIER;BRIDGE;10A;KBU1004	[C:00: {1.0}(D2)]	

Display

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	S25-00000-69216	C25-00000-69216	DISPLAY;LCD;SIZE:5 inch;800X480;EJ050NA-01G		
2	2.0000	PC	S28-00001-40885	C28-00001-40885	DISPLAY;LED;Pattern:8;HEIGHT:0.31 IN;AMBER;COMMON CATHODE;PIN LENGTH 8.8+/-0.5MM	[P0AWN:01: {2.0}(D1-D2)]	

Hardware

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC			CABLE TIE;WIDTH:3mm;LENGTH:150mm		*NOT available in DP
2	4.0000	PC			CABLE TIE;POAWP-CH-10		*NOT available in DP
3	9.0000	PC			CABLE TIE;NYLON;4in;COLOR:		*NOT available in DP
4	2.0000	PC			WIRECLAMP;LUG;3mm;LENGTH:52mm;OUTER DIA;7mm5;PLASTIC COVERED STEEL;COLOR:BLK		*NOT available in DP
5	0.9000	G			THERM-GREASE;COLOR:WHT;SPEC.NO:09286		*NOT available in DP
6	0.6000	G			SCREWLOCK;SPEC.NO:01090		*NOT available in DP
7	1.0000	PC			HEX. NUT;INNER DIA;M4mm;SURFACE:ZINC		*NOT available in DP
8	14.0000	PC			HEX. NUT;FOR JACK;M 3/8in;HEXWRENCH:12mm5;THICKNESS:2mm4;SURFACE:NICKEL/SILVER		*NOT available in DP
9	1.0000	PC			OCT. NUT;FOR JACK;3/8in;OCTWRENCH:14.5mm;THICKNESS:3.5mm;SURFACE:NICKEL/SILVER		*NOT available in DP
10	1.0000	PC			SCREW;M;3 MM;15 MM;PAN WASHER;ZINC;BLUE/WHITE;PHILIPS REC.;0.5 MM;M3mm*15mm;HEAD:PAN&SPRING WASHER;BLUE/ZINC		*NOT available in DP
11	8.0000	PC			SCREW;4 MM;10 MM;FLAT;8 MM;OXIDE;BLACK;CROSS REC.;0.5 MM;M4X10		*NOT available in DP
12	9.0000	PC			SCREW;M3mm*5mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER ZINC		*NOT available in DP
13	2.0000	PC			SCREW;M3mm*6mm;HEAD:TRUSS;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
14	15.0000	PC			SCREW;M3mm*6mm;PITCH:0mm5;HEAD:FLAT;DIA:5mm2;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
15	55.0000	PC			SCREW;A3mm*8mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
16	20.0000	PC			SCREW;BT3mm*8mm;HEAD:PAN;INSERT:PHILLIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
17	3.0000	PC			SCREW;M3mm*8mm;HEAD:PAN;INSERT:PHILLIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
18	25.0000	PC			SCREW;M03mm*08mm;HEAD:PAN SPRING WASHER;INSERT:PHILIPS REC.;SURFACE:SILVER/ZINC		*NOT available in DP
19	4.0000	PC			SCREW;M4mm*10mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER/ZINC		*NOT available in DP
20	1.0000	PC	V89-00000-72455	F89-00000-72455	INSULATION SHEET;POAWN-PSU_INSULATION_SHEET;REVA		
21	1.0000	PC	V89-07000-04467	F89-07000-04467	INSULATION SHEET;SI-RUBBER;TO220;COVER_01;(IN-SITO220COVER_01-REVA.idw)		
22	1.0000	PC			METAL SHIELD;TIN;SILVER;POAWP-METAL_SPRING_PLATE_INDIVIDUAL;REVA		*NOT available in DP
23	1.0000	PC			SHIELD;XLR FEMALE;DWG.NO:13437;(R14-SRC2000-XLRSHIELDFEMALE-REVG.DWG)	[POAWN:04: {1.0}({M1})]	*NOT available in DP
24	2.0000	PC			STUD;M3x37.45 MM;HEX;0.7 MM;POAAQ-IOPCB-STUD-REVA		*NOT available in DP
25	1.0000	PC			STUD;BRASS;STUD, THROUGH HOLE,DIA 3MM5,LENGTH 7MM4,		*NOT available in DP
26	2.0000	PC			STUD;3 MM;28.5 MM;5.5 MM;0.5 MM;STUD_M3X28.5		*NOT available in DP
27	2.0000	PC			STUD;M;3 MM;8.3 MM;5.5 MM;0.5 MM;STUD_M3X8.3		*NOT available in DP
28	2.0000	PC			STUD;POAWN-PLASTIC_STUD_M3X28.5MM		*NOT available in DP
29	1.0000	PC			STUD;M;3 MM;9.2 MM;HEX;0.5 MM;STUD-M3X9.2 ;THRUST		*NOT available in DP
30	0.0300	M			SHRINKING TUBE;BLACK;HEAT SHRINK TUBING;2;1;35mm;5M		*NOT available in DP
31	0.0500	M			SHRINKING TUBE;BLACK;SHRT TUBE;INNER DIA:0.8mm		*NOT available in DP
32	0.2000	M			SHRINKING TUBE;INNER DIA;1mm;SPEC.NO:43217		*NOT available in DP
33	30.0320	MM			SHRINKING TUBE;INNER DIA;2MM;SPEC NO:15747		*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
34	0.1200	M			SHRINKING TUBE;INNER DIA;3mm;SPEC.NO:01097		*NOT available in DP
35	0.0450	M			SHRINKING TUBE;INNER DIA;4mm;SPEC.NO:01098		*NOT available in DP
36	0.0300	M			SHRINKING TUBE;INNER DIA;6mm;SPEC.NO:01099		*NOT available in DP
37	1.0000	PC	V97-00000-54455	F97-00000-54455	FOAM SHEET;P0AAQ-CONDUCTIVE-FOAM1.REVA		
38	1.0000	PC	V97-00000-80034	F97-00000-80034	PLASTIC;PC_SHEET;P0AWN-CABLE_STICKER;REVA		
39	2.0000	PC	V97-00000-81725	F97-00000-81725	FOAM SHEET;P0AAP-CONDUCTIVE-FOAM		
40	2.0000	PC	V97-00000-83715	F97-00000-83715	FOAM SHEET;P0AWP-CONDUCTIVE_SPONGE;REVA		
41	1.0000	PC	V97-00000-84990	F97-00000-84990	FOAM SHEET;CONDUCTIVE_ALUMINUM_FOIL_SPONGE;REVA		
42	1.0000	PC	V97-00000-86128	F97-00000-86128	FOAM SHEET;P0AWN-FCC_CONDUCTIVE_FOAM;50X20X8mm;REVA		
43	1.0000	PC	V97-00000-86439	F97-00000-86439	FOAM SHEET;P0AWN-CONDUCTIVE_FOAM;50X5X1mm;REVA		
44	1.0000	PC	V97-00000-87218	F97-00000-87218	FOAM SHEET;P0AWN-CONDUCTIVE_FOAM 40X10X4mm;REVA		
45	12.0000	PC	V99-30067-06302	F99-30067-06302	SCREW;M3mm*6mm;PITCH:0mm5;HEAD:FLAT;DIA:4mm5;INSERT:P HILIPS REC.;SURFACE:BLACK/ZINC		

Ic

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	S60-00000-18248	C60-00000-18248	IC;AD/DA;52;CS42438;MQFP;SMD	[POAWN:00: {1.0}]{IC14}]	
2	1.0000	PC	S60-00000-21615	C60-00000-21615	IC;AD/DA;LQFP;48;D/A CONVERTER;CS4385-CQZ	[POAAP:07: {1.0}]{IC6}]	
3	2.0000	PC	S60-00001-50075	C60-00001-50075	IC;AD/DA;LQFP;PINS:48;M8000 OCTAL AUDIO ADC;SMD	[POAWQ:1: {1.0}]{IC4}]	
4	1.0000	PC	S71-00000-70449	C71-00000-70449	IC;DRIVER;6;SMD;QFN;TPS611161DRVR	[POAWN:5: {1.0}]{IC1}]	
5	59.0000	PC	S73-59458-00508	C73-00000-29050	IC;OPAMP;SMD;SOP;8;Rohm;BA4580RF-E2	[POAWN:00: {1.0}]{IC4}]	
6	5.0000	PC	S73-58007-40514	C73-31007-40514	IC;OPAMP OPAMP;TL074;SOP14;ST ONLY	[POAWN:00: {5.0}]{IC5,IC12,IC15-IC16,IC20}]	
7	2.0000	PC	S73-59458-00408	C73-59458-00408	IC;OPAMP OPAMP;NJM4580L;SIP	[POAWN:03: {2.0}]{IC5-IC6}]	
8	1.0000	PC	S74-00000-20055	C74-00000-20055	IC;POWER-CONVERSION;SOT23;5;MP1541	[POAWN:5: {1.0}]{IC2}]	
9	2.0000	PC	S74-00000-29817	C74-00000-29817	IC;POWER-CONVERSION;AIC2354GV5;SOT-23-5;SMD	[POAZP:00: {1.0}]{IC1}]	
10	1.0000	PC	S74-00120-02208	C74-00120-02208	IC;POWER-CONVERSION;POW.CON.;SO-8;NCP1200D60	[C:00: {1.0}]{IC2}]	
11	1.0000	PC	S77-00000-18293	C77-00000-18293	IC;VOLT.REGULATOR;DC to DC;32;ADP2114ACPZ-R7;CP-32-2;SMD	[POAWN:00: {1.0}]{IC25}]	
12	1.0000	PC	S77-00128-03000	C77-00128-03000	IC;VOLT.REGULATOR;ZENERSHUNT.REGULATOR;SOT23;T:LM431AC M3X/NOPB	[C:00: {1.0}]{IC3}]	
13	8.0000	PC	S77-00128-03001	C77-00128-03001	IC;VOLT.REGULATOR;ADJUSTABLE;SOT223;NCP1117STAT3;SMD	[POAWN:00: {1.0}]{IC19}]	
14	1.0000	PC	S77-00155-03001	C77-00155-03001	IC;VOLT.REGULATOR;ADJUSTABLE;DPAK;NCP1117DTARKG;SMD	[POAZP:00: {1.0}]{IC6}]	
15	2.0000	PC	S77-03128-03001	C77-03128-03001	IC;VOLT.REGULATOR;NCP1117ST3T3;SOT223	[POAWN:00: {1.0}]{IC26}]	
16	1.0000	PC	S77-18128-03001	C77-18128-03001	VOLT.REGULATOR;AZ1117H-1.8TRE1;SOT223;SMD	[POAAQ:16: {1.0}]{IC6}]	
17	1.0000	PC	T10-00000-18827	D10-00000-18827	IC;ASIC;MSP;10;CS2000CP-CZZR;SMD	[POAWN:00: {1.0}]{IC17}]	
18	1.0000	PC	T10-00000-78020	D10-00000-78020	IC;ASIC;124;SMD;XS1-L16A-128-QF124-C10	[POAZP:00: {1.0}]{IC48}]	
19	1.0000	PC	T10-00000-78031	D10-00000-78031	IC;USB Transceiver;QFN;32;SMD;USB3340	[POAZP:00: {1.0}]{IC3}]	
20	4.0000	PC	T12-00000-12043	D12-00000-12043	IC;DIG COMM.;SOIC;8;MLVDS TRANSCEIVER;SMD;SN65MLVD204AD	[POAWN:00: {4.0}]{IC7-IC8,IC10-IC11}]	
21	3.0000	PC	T12-00000-18249	D12-00000-18249	IC;DIG COMM.;QFN;24;SMD;LAN8720A-CP-TR	[POAWN:00: {2.0}]{IC6,IC9}]	
22	2.0000	PC	T17-00001-16874	D17-00001-16874	IC;SDRAM;SMD;TSP;PINS:54;TAPE AND REEL;MT48LC8M16A2P-6A:L	[POAWN:00: {2.0}]{IC21,IC23}]	
23	2.0000	PC	T18-00000-18247	D18-00000-18247	IC;DSP;LQFP;208;ADSP-21371KSWZ-2B;SMD	[POAWN:00: {2.0}]{IC22,IC24}]	
24	1.0000	PC	T19-00037-04631	D19-00037-04631	IC;FLASH;STM32F103RBT6;LQFP64;32-Bit MCU with Flash Memory;SMD	[: {1.0}]{IC7}]	
25	1.0000	PC	T19-00074-05121	D19-00074-05121	IC;FLASH MEMORY;W25X40CLSNIG;SMD;SOIC-8	[: {1.0}]{IC67}]	
26	1.0000	PC	T22-00000-18232	D22-00000-18232	IC;LOGIC;5;74LVC1G07GV;SOT753;SMD	[POAWN:00: {1.0}]{IC1}]	
27	1.0000	PC	T22-00000-78023	D22-00000-78023	IC;LOGIC;BUFFER;SC70-6;SMD;NC7WZ07P6X	[POAZP:00: {1.0}]{IC8}]	
28	3.0000	PC	T22-27010-82805	D22-27010-82805	IC;LOGIC;74LVC1G08;SOT-23;5PIN;SMD	[POAAP:07: {1.0}]{IC7}]	
29	4.0000	PC	T22-27024-50520	D22-27024-50520	IC;LOGIC;74LVC245;SOP	[POAWN:00: {1.0}]{IC3}]	
30	6.0000	PC	T22-31016-50516	D22-31016-50516	IC;LOGIC;74HC165;SOP	[POAWN:2: {4.0}]{IC1-IC3,IC6}]	
31	34.0000	PC	T22-32059-50520	D22-32059-50520	IC;LOGIC;74HCT595;SOP	[POAWQ:1: {9.0}]{IC8-IC9,IC11,IC13,IC15,IC17,IC19,IC21,IC23}]	
32	4.0000	PC	T24-18081-61832	D24-18081-61832	IC;MICROCONTROLLER;ATMEGA8A-AU;SMD;TQFP32	[: {1.0}]{IC7}]	
33	2.0000	PC	T24-48030-02803	D24-48030-02803	IC;MICROCONTROLLER;MAX809STRG;Vth:2.93V;SOT	[POAZP:00: {1.0}]{IC5}]	
34	1.0000	PC	T28-54534-00616	D28-54534-00616	IC;CONVERTER A/D CONVERTER;CS5340-CZZ;TSSOP	[POAWN:00: {1.0}]{IC13}]	
35	1.0000	PC	T29-00000-18234	D29-00000-18234	IC;SRAM;SOIC;8;LS12081B8Z;SMD	[POAAQ:16: {1.0}]{IC2}]	
36	1.0000	PC	T29-00000-29818	D29-00000-29818	IC;SRAM;60;JS43LR16320B-6BL;BGA;SMD	[POAAQ:16: {1.0}]{IC1}]	
37	32.0000	PC	T30-00000-61526	D30-00000-61526	IC;SWITCH/MUXEP;SMD;SOIC;16;V411	[POAWQ:1: {16.0}]{IC10,IC12,IC14,IC16,IC18,IC20,IC22,IC24-IC32}]	
38	1.0000	PC	T30-02206-52208	D30-02206-52208	IC;SWITCH/MUXEP;POWER DISTRIBUTION SWITCH;1A;SOIC;TPS2065D	[POAAQ:16: {1.0}]{IC5}]	
39	1.0000	PC	T32-00000-18409	D32-00000-18409	IC;EPROM;PROGM;BGA;256;XC3S1400A-4FTG256C;SMD	[POAWN:00: {1.0}]{IC18}]	
40	1.0000	PC	T33-00000-29831	D33-00000-29831	IC;MICROCONTROLLER, PROGRAMMED;MCIMX253DJM4A;17X17 MAPBGA-400;SMD	[POAAQ:16: {1.0}]{IC3}]	

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
41	1.0000	PC	T33-00001-16252	D33-00001-16252	IC;MICROCONTROLLER, PROGRAMMED;MICROCONTROLLER;W25X40CL;X-USB V010	[P0AZP:00: {1.0}{IC67}]	
42	1.0000	PC	T33-00001-16254	D33-00001-16254	IC;MICROCONTROLLER, PROGRAMMED;FIRMWARE ATMEGA8A-AU;X-USB V3	[P0AZP:00: {1.0}{IC7}]	
43	1.0000	PC	T33-00001-32727	D33-00001-32727	IC;MICROCONTROLLER, PROGRAMMED;ATMEGA8A-AU;S16 8CHOUT V2.2	[P0AAP:07: {1.0}{IC4}]	
44	1.0000	PC	T33-00001-34676	D33-00001-34676	IC;MICROCONTROLLER, PROGRAMMED;STM32F103RBT6;X32 RACK PCB01;REV:3.0	[P0AWN:01: {1.0}{IC7}]	
45	2.0000	PC	T33-00001-34677	D33-00001-34677	IC;MICROCONTROLLER, PROGRAMMED;STM32F103RBT6;X32 PRODUCER 8CHIN;REV:3.0	[P0AWQ:1: {1.0}{IC3}]	
46	1.0000	PC	T33-00002-41299	D33-00002-41299	IC;MICROCONTROLLER, PROGRAMMED;EPROM DATA;SD-Card Image Build;V3.12 and V2.14		

Led

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	U10-00000-13289	E10-00000-13289	LED HIB;3mm0 ROUND;RED;Len: White Diffuse; Head BASE: 4.5X5.08	[P0AZP:00: {1.0}{LD1}]	
2	36.0000	PC	U10-00000-39409	E10-00000-39409	LED HIB;GREEN;SMD603	[P0AWN:2: {31.0}{LD13-LD15,LD17,LD19-LD28,LD33-LD35,LD40-LD48,LD53-LD55,LD90,LD92}]	
3	28.0000	PC	U10-00000-39410	E10-00000-39410	LED HIB;WHITE;SMD603	[P0AWN:2: {28.0}{LD1-LD9,LD11,LD16,LD18,LD29,LD31,LD36,LD38,LD49,LD51,LD56,LD58,LD69,LD71,LD76,LD78,LD89,LD91,LD96,LD98}]	
4	7.0000	PC	U10-00000-39413	E10-00000-39413	LED HIB;RED;SMD805	[P0AWN:2: {5.0}{LD37,LD39,LD100-LD102}]	
5	1.0000	PC	U10-00000-49218	E10-00000-49218	LED HIB;SMD;GREEN/RED;SMD805;LENS:WATER CLEAR;ROHS	[P0AWN:01: {1.0}{LD15}]	
6	3.0000	PC	U10-00000-79125	E10-00000-79125	LED HIB;WAVELENGTH:586-596nm;TRANSPARENT AMBER;SMD805	[P0AWN:01: {1.0}{LD16}]	
7	16.0000	PC	U10-00001-32422	E10-00001-32422	LED HIB;3mm0 ROUND;RED;RED 3MM BASE 4.5X5.08X6 CHAMFER	[P0AWQ:01: {8.0}{LD1-LD8}]	
8	3.0000	PC	U10-09590-02370	E10-09590-02370	LED;SMD;WAVELENGTH:465nm;COLOR:YELLOW;REFLECTOR:WATER CLEAR;(LIGITEK LG-192VY-CT)	[P0AWN:00: {3.0}{LD1-LD3}]	
9	74.0000	PC	U14-00000-33405	E14-00000-33405	LED SUB;AMBER;SMD603;WATER CLEAR	[P0AWN:2: {38.0}{LD10,LD12,LD30,LD32,LD50,LD52,LD57,LD59-LD68,LD70,LD72-LD75,LD77,LD79-LD88,LD93-LD95,LD97,LD99}]	

Metal Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Q60-00001-15486	A60-00001-15486	METAL;SHIELD;POAWN;MATERIAL:SECC 0.5mm;PUNCHING AND BENDING;POAWN-SHIELDING_SHEET;REVB		
2	1.0000	PC	Q62-00000-58228	A62-00000-58228	METAL;POAAQ;TIN PLATE T=0.3mm;SHIELD;BENDING + PUNCHING	[POAWN:00: {1.0}(M5)]	
3	1.0000	PC	Q63-00000-71541	A63-00000-71541	METAL;HEATSINK;POAWN;AL 6063;BENDING + PUNCHING;POAWN-PSU_HEATSINK;REVA		
4	2.0000	PC	Q65-00000-06911	A65-00000-06911	METAL;POACL;SUS 201;MACHINING;DRAW_PULL;REV:A		
5	3.0000	PC	Q65-00000-24959	A65-00000-24959	METAL;P0274;SPCC 0.8mm;MOUNT;BENDING + PUNCHING;PLATING TIN;MOUNTING HELP;J00053P;REV:B	[POAZP:00: {3.0}(M1-M3)]	
6	1.0000	PC	Q65-00000-70638	A65-00000-70638	METAL;PLATE;POAWP;SECC 1.0mm;PUNCHING;SPRAYING;8403C;POAWP-TOP_COVER;REVA		
7	2.0000	PC	Q65-00000-71513	A65-00000-71513	METAL;HANDLE;POAWN;BRASS;GLOSS (HIGH);BENDING + MACHINING;ANODIZING CHROME(III);CHROME;POAWN-HANDLE;REVA		
8	2.0000	PC	Q65-00000-71514	A65-00000-71514	METAL;BRACKET;POAWN;AL 6063;SAND BLASTING;CASTING;SPRAY METALLIC;SILVER;POAWN-SIDE_BRACKET;REVA		
9	1.0000	PC	Q65-00000-71533	A65-00000-71533	METAL;BRACKET;POAWN;SECC 1.0mm;BENDING + PUNCHING;POAWN-FRONT_PCB_BRACKET;REVA		
10	2.0000	PC	Q65-00000-71550	A65-00000-71550	METAL;BRACKET;POAWN;SECC 1.0mm;BENDING + PUNCHING;POAWN-PSU_BRACKET;REVA		
11	2.0000	PC	Q65-00000-75129	A65-00000-75129	METAL;ADJUSTER;POAWN;SECC 1.2mm;BENDING;POAWN-ADJUST_BRACKET;REVA		
12	1.0000	PC	Q65-00000-75132	A65-00000-75132	METAL;SHIELD;POAWP;TIN PLATE T=0.3 MM;BENDING;POAWP-PCB_SHIELDING_COVER;REVA		
13	1.0000	PC	Q65-00000-84050	A65-00000-84050	METAL;CAGE;POAWN;SECC 1.0mm;BLANKING + PUNCHING + BENDING;POAWN-PLUGIN-CARD-CAGE-REVA		
14	1.0000	PC	Q65-00000-86120	A65-00000-86120	METAL;BRACKET;POAWN;SECC 0.6mm;BENDING + PUNCHING;POAWN-FCC_BRACKET;REVA		
15	4.0000	PC	Q65-23000-24593	A65-23000-24593	METAL CLIP;DSP2000;DWG.NO:24593;(R14-DSP2000-CLIP-REVC.DWG)		
16	1.0000	PC	Z00-00000-84315	J00-00000-84315	METAL;PANEL;POAZP;SECC 1.2mm;BLANKING + PUNCHING;PAINTING NORMAL;8403;COVER;A001		
17	1.0000	PC	Z05-00000-72477	J05-00000-72477	METAL;PANEL;POAWN;AL 6063;SAND BLASTING;EXTRUSION, CUTTING;OXIDIZING;DARK GRAY METALLIC;FRONT;A001		
18	1.0000	PC	Z05-00000-82993	J05-00000-82993	METAL;BOTTOM;POAWN;SECC 1.0mm;BENDING + PUNCHING;SPRAY METALLIC;DARK GRAY METALLIC;CASE:A002		

Plastic Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	4.0000	PC	W51-01200-01762	G51-01200-01762	RUBBER FOOT;STANDARD;SELF-ADHESIVE;COLOR:BLK;DWG.NO:01762		
2	7.0000	PC	W52-00000-48787	G52-00000-48787	PLASTIC;P0AJA;KNOB;GREY;P0AJA-KNOB-CONTROL-REVA		
3	2.0000	PC	W52-00000-56157	G52-00000-56157	PLASTIC;P0AJA;ABS;KNOB;2-SHOT INJECTION MOULDING;WARM GREY 6C;BLACK;P0AJA-KNOB-MONITORING-REVA		
4	2.0000	PC	W52-00000-70649	G52-00000-70649	PLASTIC;KNOB;P0AWP;ABS PC;2-SHOT INJECTION MOULDING;TRANSPARENT WHITE DIFFUSED;BLACK;P0AWP-ENCODER_KNOB-REVA		
5	1.0000	PC	W52-00000-71552	G52-00000-71552	PLASTIC;BUTTON;P0AWN;ABS;INJECTION;YS1284A;NATURAL;BLACK ;P0AWN-POWER_PUSH_BUTTON;REVA		
6	5.0000	PC	W53-00000-70634	G53-00000-70634	PLASTIC;HOUSING;P0AAP;ABS;INJECTION;GLOSS HIGH;BLACK;P0AAP-BUTTON-HOUSING-SINGLE-REVA		
7	1.0000	PC	W53-00000-71582	G53-00000-71582	PLASTIC;HOUSING;P0AWQ;ABS;INJECTION;MATT;PAINTING NORMAL;BLACK;P0AWQ-DISPLAY-HOUSING REVA		
8	1.0000	PC	W53-00000-71590	G53-00000-71590	PLASTIC;MOUNT;P0AWQ;ABS;INJECTION;BLACK;P0AWQ-LCD-MOUNTING-LEFT REVA		
9	1.0000	PC	W53-00000-71591	G53-00000-71591	PLASTIC;MOUNT;P0AWQ;ABS;INJECTION;BLACK;P0AWQ-LCD-MOUNTING-RIGHT REVA		
10	1.0000	PC	W53-00000-71592	G53-00000-71592	PLASTIC;BUTTON;P0AWQ;RUBBER;MOULDING BLOW;TRANSPARENT WHITE DIFFUSED;p0awq-display-rubber-4 REVA		
11	2.0000	PC	W53-00000-71593	G53-00000-71593	PLASTIC;BUTTON;P0AWQ;RUBBER;MOULDING BLOW;TRANSPARENT WHITE DIFFUSED;p0awq-display-rubber-5 REVA		
12	1.0000	PC	W53-00000-75327	G53-00000-75327	PLASTIC;BRACKET;P0AWQ;ABS;INJECTION;POLISHED;BLACK;P0AWQ-DISPLAY-BUTTON-BRACKET REVA		
13	1.0000	PC	W53-00000-80563	G53-00000-80563	PLASTIC;HOLDER;P0AWN;INJECTION;BLACK;P0AWN-HOLDER_SEGMENT;REVB		
14	5.0000	PC	W53-00000-81375	G53-00000-81375	PLASTIC;BUTTON;P0AAP;SILICON RUBBER;RUBBER TOOLING;TRANSPARENT WHITE DIFFUSED;RUBBER-SINGLE-REVA		
15	2.0000	PC	W53-00000-97898	G53-00000-97898	PLASTIC;HOLDER;P0AAQ;ABS PC;2-SHOT INJECTION MOULDING;YS11001A;TRANSPARENT;BLACK;P0AAQ-LED-COLLAR-REVB		
16	1.0000	PC	W54-00000-71645	G54-00000-71645	PLASTIC;WINDOW;P0AWQ;PC;INJECTION;MATT;BLACK;WHITE, TRANSLUCENT;P0AWQ-LED HOLDER REVA		
17	1.0000	PC	W58-00000-52835	G58-00000-52835	PLASTIC;P0AAQ;ABS (VO);HOLDER;INJECTION;P0AAQ-Ferrite-holder-REVA		
18	1.0000	PC	W58-00000-70647	G58-00000-70647	PLASTIC;RING;P0AWP;ABS;P0AWP-USB-RING-REVA		
19	1.0000	PC	W58-00500-00203	G58-00500-00203	PLASTIC;POWER SWITCH KNOB INSERT;DCX2496;DST.NO:005;DPT.NO:00203;(R20-DCX2496-PSWIN-REVE.DWG)		
20	1.0000	PC	Y64-00000-72488	I64-00000-72488	PLASTIC;LENS;P0AWN;PC;INJECTION;GLOSS (HIGH);TRANSPARENT;FRONT LENS;A001		
21	1.0000	PC	Y64-00000-72499	I64-00000-72499	PLASTIC;WINDOW;P0AWN;PC;CUTTING;WHITE, TRANSLUCENT;X32;BEZEL;DISPLAY OVERLAY;A001		
22	1.0000	PC	Y64-00000-72744	I64-00000-72744	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;HOME;A000		
23	1.0000	PC	Y64-00000-72750	I64-00000-72750	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;METERS;A000		
24	1.0000	PC	Y64-00000-72756	I64-00000-72756	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;ROUTING;A000		
25	1.0000	PC	Y64-00000-72760	I64-00000-72760	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;LIBRARY;A000		
26	1.0000	PC	Y64-00000-72764	I64-00000-72764	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;EFFECTS;A000		
27	1.0000	PC	Y64-00000-72770	I64-00000-72770	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;SETUP;A000		

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
28	1.0000	PC	Y64-00000-72773	I64-00000-72773	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;MONITOR;A000		
29	1.0000	PC	Y64-00000-72776	I64-00000-72776	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;SCENES;A000		
30	1.0000	PC	Y64-00000-72778	I64-00000-72778	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;MUTEGRP;A000		
31	1.0000	PC	Y64-00000-72780	I64-00000-72780	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;UTILITY;A000		
32	2.0000	PC	Y64-00000-72785	I64-00000-72785	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;WHITE;X32;BEZEL;NAVBUTTON;UPDOWN;A000		
33	2.0000	PC	Y64-00000-72788	I64-00000-72788	PLASTIC;BUTTON;P0000;PC;INJECTION;PAINTING NORMAL;BLACK;WHITE, TRANSLUCENT;X32;BEZEL;NAVBUTTON;LEFTRIGHT;A000		

Plug Socket

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	15.0000	PC	W64-01211-03174	G64-01211-03174	PLUG;JACK STEREO 6mm3;STRAIGHT SOLDER;W/O MET.RNG.;MET.BUSH;NO NUT/WASHER;(JY-6351G-02-250)	[POAWN:04: {1.0}(X1-X7,X10-X16)]	
2	1.0000	PC	W67-20103-01824	G67-20103-01824	PLUG;AC SOCK;W FUSE;SNAP-IN;COLOR:BLK;POLES:03;(RONG-FENG RF-2004)		
3	1.0000	PC	W68-34004-17323	G68-34004-17323	PLUG;RCA;SOCKET;RCAJACK4P/S;FEMALE;POLES:04;STRAIGHT	[POAWN:04: {1.0}(X9)]	
4	2.0000	PC	W71-00000-18295	G71-00000-18295	PCB SOCKET;PIN SOCKET;HOUSING;24;ROWS:2;ANGLED;2 MM;SMD	[POAWN:00: {2.0}(X12,X16)]	
5	2.0000	PC	W71-00000-18297	G71-00000-18297	PCB SOCKET;PIN SOCKET;HOUSING;32;ROWS:2;ANGLED;2 MM;SMD	[POAWN:00: {2.0}(X11,X15)]	
6	2.0000	PC	W71-00000-18401	G71-00000-18401	PIN HEAD;24;ROWS:2;ANGLED;2 MM;DUAL SMD PIN HEADER	[POAAQ:16: {2.0}(X3,X5)]	
7	2.0000	PC	W71-00000-18402	G71-00000-18402	PIN HEAD;32;ROWS:2;ANGLED;2 MM;DUAL SMD PIN HEADER	[POAAQ:16: {2.0}(X4,X6)]	
8	2.0000	PC	W71-23103-04757	G71-23103-04757	WAFER;POLES:3;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-3P	[POAWN:00: {1.0}(X10)]	
9	1.0000	PC	W71-23105-04745	G71-23105-04745	WAFER;POLES:5;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-5P	[POAWN:00: {1.0}(X24)]	
10	1.0000	PC	W71-23106-04965	G71-23106-04965	WAFER;POLES:6;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-6P	[POAWN:04: {1.0}(X18)]	
11	1.0000	PC	W71-23107-04746	G71-23107-04746	WAFER;POLES:7;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-7P	[POAWN:00: {1.0}(X23)]	
12	1.0000	PC	W71-23110-04749	G71-23110-04749	WAFER;POLES:10;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-10P	[POAWN:03: {1.0}(X1)]	
13	3.0000	PC	W71-23112-04751	G71-23112-04751	WAFER;POLES:12;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-12P	[C:00: {3.0}(X2,X4-X5)]	
14	2.0000	PC	W71-23113-04752	G71-23113-04752	WAFER;POLES:13;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-13P	[POAWN:00: {1.0}(X25)]	
15	1.0000	PC	W71-27107-04763	G71-27107-04763	WAFER;POLES:7;STRAIGHT;PITCH:3.96 mm;1 ROW;J51120-07	[C:00: {1.0}(X3)]	
16	1.0000	PC	W71-43103-05995	G71-43103-05995	PLUG;HOUSING;POLES:3;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
17	1.0000	PC	W71-43105-05997	G71-43105-05997	PLUG;HOUSING;POLES:5;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
18	1.0000	PC	W71-43106-05998	G71-43106-05998	PLUG;HOUSING;POLES:6;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
19	1.0000	PC	W71-43107-05999	G71-43107-05999	PLUG;HOUSING;POLES:7;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
20	1.0000	PC	W71-43110-06002	G71-43110-06002	PLUG;HOUSING;POLES:10;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
21	3.0000	PC	W71-43112-06004	G71-43112-06004	PLUG;HOUSING;POLES:12;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
22	2.0000	PC	W71-43113-06005	G71-43113-06005	PLUG;HOUSING;POLES:13;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
23	1.0000	PC	W71-47107-06748	G71-47107-06748	PLUG;HOUSING;A3963H02;PITCH:3mm96;POLES:7;ROWS:1;UL94-V0;STRAIGHT		
24	1.0000	PC	W71-47107-06760	G71-47107-06760	PLUG;HOUSING;P:3mm96;STRAIGHT;ROWS:1;POLES:7;TYP:JS4008		
25	93.0000	PC	W71-80000-05663	G71-80000-05663	BD.-IN-CONN;TERMINAL;SAN-002T-0.8A		
26	1.0000	PC	W71-83103-05643	G71-83103-05643	BOARD-IN-CONNECTOR;POLES:3;ROWS:1;STRAIGHT;PITCH:2 mm		
27	1.0000	PC	W71-83105-05647	G71-83105-05647	BOARD-IN-CONNECTOR;POLES:5;ROWS:1;STRAIGHT;PITCH:2 mm		
28	1.0000	PC	W71-83106-05650	G71-83106-05650	BOARD-IN-CONNECTOR;POLES:6;ROWS:1;STRAIGHT;PITCH:2 mm		
29	1.0000	PC	W71-83107-05651	G71-83107-05651	BOARD-IN-CONNECTOR;POLES:7;ROWS:1;STRAIGHT;PITCH:2 mm		
30	1.0000	PC	W71-83110-05654	G71-83110-05654	BOARD-IN-CONNECTOR;POLES:10;ROWS:1;STRAIGHT;PITCH:2 mm		
31	3.0000	PC	W71-83112-05657	G71-83112-05657	BOARD-IN-CONNECTOR;POLES:12;ROWS:1;STRAIGHT;PITCH:2 mm		
32	2.0000	PC	W71-83113-05818	G71-83113-05818	BOARD-IN-CONNECTOR;POLES:13;ROWS:1;STRAIGHT;PITCH:2 mm		
33	1.0000	PC	W76-00000-02200	G76-00000-02200	PLUG;RJ45;DUAL ROW;ANGLED	[POAWN:00: {1.0}(X4)]	
34	1.0000	PC	W76-00000-18427	G76-00000-18427	PLUG;DIN;RJ45;8;2.54 MM;RJ45-112-8P8C-EP	[POAWN:00: {1.0}(X1)]	
35	2.0000	PC	W76-10580-03132	G76-10580-03132	PLUG;DIN;PLUG;FEMALE;POLES:5;ANGLED	[POAWN:00: {2.0}(X2-X3)]	

Power Supply

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	W83-02153-01037	G83-02153-01037	BUTTON-CELL;CAPACITY:215mAh;3V;SPEC.NO:01037;(CR2032)		
2	2.0000	PC	Z66-00000-12096	J66-00000-12096	TRAFO:PULSE;POACI;VolP MAGNETIC MODULE;H2006ANL;SMD	[POAWN:00: {2.0}(TR1-TR2)]	
3	1.0000	PC	Z69-00000-71403	J69-00000-71403	TRAFO;SWITCH MODE;POAWN;UNIVERSAL 100 TO 240;COM;300uH	[C:00: {1.0}(TR1)]	

Quarz

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	4.0000	PC	X64-00000-15597	H64-00000-15597	QUARZ;OSCILLATOR;8MHz;8pF;SIZE:5X3.2mm;50ppm;SMD	[P0AZP:00: {1.0}{Q2}]	
2	1.0000	PC	X64-00000-18819	H64-00000-18819	QUARZ;OSCILLATOR;16 MHz;SMD;3.3V;50PPM;SIZE:7X5X1.5	[P0AWN:00: {1.0}{Q1}]	
3	1.0000	PC	X64-00000-29819	H64-00000-29819	QUARZ;OSCILLATOR;25 MHz;8pF;5X3MM2;SMD	[P0AAQ:16: {1.0}{Q2}]	
4	1.0000	PC	X64-00000-78019	H64-00000-78019	QUARZ;OSCILLATOR;13 MHz;SMD;3.3V;SIZE:7X5X1.5	[P0AZP:00: {1.0}{Q3}]	
5	1.0000	PC	X65-00000-17608	H65-00000-17608	QUARZ;RESONATOR;12 MHz;8pF;SMD;SIZE:5X3MM2;50ppm	[P0AWN:01: {1.0}{Q1}]	
6	1.0000	PC	X65-00000-36991	H65-00000-36991	QUARZ;RESONATOR;24 MHz;8pF;SMD;SIZE:5X3.2	[P0AAQ:16: {1.0}{Q4}]	
7	2.0000	PC	X65-00000-38720	H65-00000-38720	QUARZ;RESONATOR;32.768 kHz;SMD;3.2*1.5	[P0AAQ:16: {2.0}{Q1,Q3}]	

Resistor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	16.0000	PC			RESISTOR;METAL;110 ohm;0W100;1 %;100 PPM;SMD603;MET	[POAWQ:1: {8.0}(R129,R131,R133,R135,R137,R139,R141,R143)]	*NOT available in DP
2	32.0000	PC			RESISTOR;METAL;130 ohm;0W100;1 %;100 PPM;SMD603;MET	[POAWQ:1: {16.0}(R63-R78)]	*NOT available in DP
3	16.0000	PC			RESISTOR;METAL;15 ohm;0W100;1 %;100 PPM;SMD603;MET	[POAWQ:1: {8.0}(R79,R81,R83,R85,R87,R89,R91,R93)]	*NOT available in DP
4	32.0000	PC			RESISTOR;METAL;62 ohm;0W100;1 %;100 PPM;SMD603;MET	[POAWQ:1: {16.0}(R112,R114,R116,R118,R120,R122,R124,R126,R128,R130,R132,R134,R136,R138,R140,R142)]	*NOT available in DP
5	6.0000	PC			RESISTOR;CARBON;4.7 kohm;0.0625 W;5 %;100 ppm;SMD402	[POAAQ:16: {6.0}(R59-R60,R63-R66)]	*NOT available in DP
6	16.0000	PC			RESISTOR;METAL;11 ohm;0W0625;1 %;200 PPM;SMD603;THICK FILM	[POAWQ:1: {8.0}(R96,R98,R100,R102,R104,R106,R108,R110)]	*NOT available in DP
7	16.0000	PC			RESISTOR;METAL;27 ohm;0W0625;1 %;200 PPM;SMD603;THICK FILM	[POAWQ:1: {8.0}(R97,R99,R101,R103,R105,R107,R109,R111)]	*NOT available in DP
8	34.0000	PC			RESISTOR;THICK FILM;6K8 ohm; 1%;SMD1210	[POAWQ:1: {16.0}(R31-R46)]	*NOT available in DP
9	1.0000	PC			RESISTOR;METAL;1 Mohm;0W063;1 %;SMD402;TC ITEM	[POAAQ:16: {1.0}(R80)]	*NOT available in DP
10	3.0000	PC			RESISTOR;METAL;1.05 kohm;0W063;1 %;SMD402;TC ITEM	[POAAQ:16: {2.0}(R55,R57)]	*NOT available in DP
11	10.0000	PC			RESISTOR;CARBON;0ohm;5%;0W063;SMD603	[POAWN:00: {2.0}(R163,R165)]	*NOT available in DP
12	1.0000	PC			RESISTOR;CARBON;2ohm;2%;0W063;SMD603	[POAZP:00: {1.0}(R224)]	*NOT available in DP
13	2.0000	PC			RESISTOR;CARBON;10ohm;5%;0W063;SMD603	[POAWN:00: {2.0}(R153,R158)]	*NOT available in DP
14	29.0000	PC			RESISTOR;CARBON;33ohm;5%;0W063;SMD603	[POAZP:00: {23.0}(R3,R5-R11,R17-R20,R23-R26,R31-R34,R42,R46-R47)]	*NOT available in DP
15	14.0000	PC			RESISTOR;CARBON;47ohm;5%;0W063;SMD603	[POAWN:00: {11.0}(R5,R99,R107,R110,R121,R124,R138,R161-R162,R167-R168)]	*NOT available in DP
16	61.0000	PC			RESISTOR;CARBON;100ohm;5%;0W063;SMD603	[POAZP:00: {1.0}(R62)]	*NOT available in DP
17	142.0000	PC			RESISTOR;CARBON;330ohm;5%;0W063;SMD603	[POAWN:00: {4.0}(R21,R142,R169-R170)]	*NOT available in DP
18	5.0000	PC			RESISTOR;CARBON;1Kohm;5%;0W063;SMD603	[POAZP:00: {4.0}(R21-R22,R35,R221)]	*NOT available in DP
19	1.0000	PC			RESISTOR;CARBON;1Kohm;2%;0W063;SMD603	[POAWN:03: {1.0}(R32)]	*NOT available in DP
20	2.0000	PC			RESISTOR;CARBON;2Kohm;5%;0W063;SMD603	[POAWN:03: {2.0}(R39,R47)]	*NOT available in DP
21	4.0000	PC			RESISTOR;CARBON;2Kohm;2%;0W063;SMD603	[POAZP:00: {1.0}(R27)]	*NOT available in DP
22	16.0000	PC			RESISTOR;CARBON;3Kohm;9%;0W063;SMD603	[POAWQ:1: {8.0}(R448,R451,R454,R457,R460,R463,R466,R469)]	*NOT available in DP
23	36.0000	PC			RESISTOR;CARBON;4Kohm;7%;0W063;SMD603	[POAZP:00: {1.0}(R71)]	*NOT available in DP
24	1.0000	PC			RESISTOR;CARBON;6Kohm;8%;0W063;SMD603	[POAZP:00: {1.0}(R79)]	*NOT available in DP
25	96.0000	PC			RESISTOR;CARBON;10Kohm;5%;0W063;SMD603	[POAZP:00: {7.0}(R16,R30,R41,R43-R44,R58,R223)]	*NOT available in DP
26	1.0000	PC			RESISTOR;CARBON;18Kohm;5%;0W063;SMD603	[POAWN:03: {1.0}(R43)]	*NOT available in DP
27	40.0000	PC			RESISTOR;CARBON;20Kohm;5%;0W063;SMD603	[POAWN:00: {4.0}(R33-R34,R136-R137)]	*NOT available in DP
28	1.0000	PC			RESISTOR;CARBON;22Kohm;5%;0W063;SMD603	[POAWN:00: {1.0}(R184)]	*NOT available in DP
29	1.0000	PC			RESISTOR;CARBON;27Kohm;5%;0W063;SMD603	[POAWN:00: {1.0}(R179)]	*NOT available in DP
30	21.0000	PC			RESISTOR;CARBON;47Kohm;5%;0W063;SMD603	[POAZP:00: {1.0}(R60)]	*NOT available in DP
31	1.0000	PC			RESISTOR;CARBON;82Kohm;5%;0W063;SMD603	[POAWN:03: {1.0}(R27)]	*NOT available in DP
32	4.0000	PC			RESISTOR;CARBON;100Kohm;5%;0W063;SMD603	[POAAP:07: {1.0}(R45)]	*NOT available in DP
33	18.0000	PC			RESISTOR;METAL;10ohm;1%;0W1;SMD603	[POAAQ:16: {2.0}(R52,R54)]	*NOT available in DP
34	16.0000	PC			RESISTOR;METAL;33ohm;1%;0W063;SMD603	[POAWQ:1: {8.0}(R80,R82,R84,R86,R88,R90,R92,R94)]	*NOT available in DP
35	16.0000	PC			RESISTOR;METAL;51 ohm;1%;0W063;SMD603	[POAWQ:1: {8.0}(R210,R214,R218,R222,R226,R229,R232,R235)]	*NOT available in DP
36	4.0000	PC			RESISTOR;METAL;51 ohm;1%;METAL;0W063;SMD603	[POAAQ:16: {4.0}(R47,R50,R53,R56)]	*NOT available in DP
37	48.0000	PC			RESISTOR;METAL;120ohm;1%;0W063;SMD603	[POAWQ:1: {24.0}(R113,R115,R117,R119,R121,R123,R125,R127,R144-R147,R176,R178,R180,R182,R189,R195,R201,R207,R246,R249,R252,R255)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
38	1.0000	PC			RESISTOR;METAL;200ohm;1%;0W063;SMD603	[P0AZP:00: {1.0}(R70)]	*NOT available in DP
39	1.0000	PC			RESISTOR;METAL;332ohm;1%;0W063;SMD603	[P0AZP:00: {1.0}(R69)]	*NOT available in DP
40	16.0000	PC			RESISTOR;METAL;390ohm;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R55-R62)]	*NOT available in DP
41	16.0000	PC			RESISTOR;METAL;470ohm;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R47-R54)]	*NOT available in DP
42	6.0000	PC			RESISTOR;METAL;499ohm;1%;0W063;SMD603	[P0AWN:00: {6.0}(R75,R77,R100,R102-R103,R105)]	*NOT available in DP
43	48.0000	PC			RESISTOR;SMD;METAL;910ohm;1%;0W063;SMD603	[P0AWQ:1: {24.0}(R177,R179,R181,R183-R184,R187-R188,R190,R193-R194,R196,R199-R200,R202,R205-R206,R236,R238,R240,R242,R245,R248,R251,R254)]	*NOT available in DP
44	65.0000	PC			RESISTOR;METAL;1Kohm;1%;0W063;SMD603	[P0AWN:00: {16.0}(R14,R23,R46-R47,R49,R66,R80,R83,R86,R95-R96,R98,R112,R115-R116,R119)]	*NOT available in DP
45	32.0000	PC			RESISTOR;METAL;1Kohm1;1%;0W063;SMD603	[P0AAP:07: {32.0}(R102-R109,R114,R116-R117,R119-R120,R122-R123,R125,R159,R161,R163,R165,R167,R169,R171,R173-R181)]	*NOT available in DP
46	16.0000	PC			RESISTOR;METAL;1Kohm3;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R151,R158,R165,R172,R224,R227,R230,R233)]	*NOT available in DP
47	1.0000	PC			RESISTOR;METAL;2Kohm;1%;0W063;SMD603	[P0AZP:00: {1.0}(R2)]	*NOT available in DP
48	16.0000	PC			RESISTOR;METAL;2Kohm2;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R273,R276,R279,R282,R285,R288,R291,R294)]	*NOT available in DP
49	16.0000	PC			RESISTOR;METAL;2Kohm21;1%;0W063;SMD603	[P0AAP:07: {16.0}(R110-R113,R115,R118,R121,R124,R158,R160,R162,R164,R166,R168,R170,R172)]	*NOT available in DP
50	16.0000	PC			RESISTOR;METAL;2Kohm67;1%;0W063;SMD603	[P0AWN:00: {16.0}(R16-R18,R24,R63,R71-R73,R126,R129,R131,R135,R150,R154-R156)]	*NOT available in DP
51	16.0000	PC			RESISTOR;SMT;2Kohm7;1%;METAL;0W063;SMD603	[P0AWQ:1: {8.0}(R185-R186,R191-R192,R197-R198,R203-R204)]	*NOT available in DP
52	1.0000	PC			RESISTOR;METAL;3Kohm;1%;0W1;SMD603	[P0AZP:00: {1.0}(R1)]	*NOT available in DP
53	32.0000	PC			RESISTOR;METAL;3Kohm30;1%;0W063;SMD603	[P0AWQ:1: {16.0}(R322-R323,R326-R327,R330-R331,R334-R335,R338-R339,R342-R343,R346-R347,R350-R351)]	*NOT available in DP
54	16.0000	PC			RESISTOR;METAL;3Kohm32;1%;0W063;SMD603	[P0AAP:07: {16.0}(R46,R49-R50,R53-R54,R57-R58,R61,R86-R93)]	*NOT available in DP
55	16.0000	PC			RESISTOR;METAL;3Kohm74;1%;0W063;SMD603	[P0AAP:07: {16.0}(R37-R44,R63-R64,R67-R68,R71-R72,R75-R76)]	*NOT available in DP
56	1.0000	PC			RESISTOR;METAL;4Kohm7;1%;0W063;SMD603	[P0AWN:00: {1.0}(R185)]	*NOT available in DP
57	2.0000	PC			RESISTOR;METAL;5Kohm1;1%;0W063;SMD603	[P0AWN:03: {2.0}(R28-R29)]	*NOT available in DP
58	2.0000	PC			RESISTOR;METAL;5Kohm11;1%;0W063;SMD603	[P0AWN:00: {2.0}(R139-R140)]	*NOT available in DP
59	16.0000	PC			RESISTOR;METAL;5Kohm6;1%;0W063;SMD603	[P0AWN:00: {14.0}(R25,R27,R29,R32,R57,R59,R64,R74,R127,R134,R141,R144,R146,R157)]	*NOT available in DP
60	2.0000	PC			RESISTOR;METAL;6Kohm8;1%;0W063;SMD603	[P0AWN:5: {2.0}(R8,R13)]	*NOT available in DP
61	16.0000	PC			RESISTOR;METAL;9Kohm09;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R208-R209,R212-R213,R216-R217,R220-R221)]	*NOT available in DP
62	177.0000	PC			RESISTOR;METAL;10Kohm;1%;0W063;SMD603	[P0AZP:00: {1.0}(R54)]	*NOT available in DP
63	1.0000	PC			RESISTOR;METAL;11Kohm;1%;0W063;SMD603	[P0AWN:5: {1.0}(R6)]	*NOT available in DP
64	3.0000	PC			RESISTOR;METAL;12Kohm1;1%;0W063;SMD603	[P0AWN:00: {2.0}(R38,R41)]	*NOT available in DP
65	16.0000	PC			RESISTOR;METAL;12Kohm4;1%;0W063;SMD603	[P0AWN:00: {16.0}(R26,R28,R30-R31,R58,R60-R62,R128,R130,R132-R133,R145,R147-R149)]	*NOT available in DP
66	1.0000	PC			RESISTOR;METAL;13Kohm3;1%;0W063;SMD603	[P0AWN:5: {1.0}(R14)]	*NOT available in DP
67	16.0000	PC			RESISTOR;METAL;15Kohm;1%;0W063;SMD603	[P0AAP:07: {16.0}(R47-R48,R51-R52,R55-R56,R59-R60,R78-R85)]	*NOT available in DP
68	1.0000	PC			RESISTOR;METAL;15Kohm4;1%;0W063;SMD603	[P0AWN:5: {1.0}(R10)]	*NOT available in DP
69	1.0000	PC			RESISTOR;METAL;16Kohm;1%;0W063;SMD603	[P0AAQ:16: {1.0}(R45)]	*NOT available in DP
70	32.0000	PC			RESISTOR;METAL;20Kohm;1%;0W063;SMD603	[P0AWQ:1: {16.0}(R297,R299,R301,R303,R305,R307,R309,R311-R319)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
71	1.0000	PC			RESISTOR;METAL;30Kohm90;1%;0W063;SMD603	[P0AWN:5: {1.0}(R12)]	*NOT available in DP
72	16.0000	PC			RESISTOR;METAL;33Kohm;1%;0W1;SMD805	[P0AWQ:1: {8.0}(R424-R431)]	*NOT available in DP
73	33.0000	PC			RESISTOR;METAL;47Kohm;1%;0W063;SMD603	[P0AWN:00: {1.0}(R176)]	*NOT available in DP
74	16.0000	PC			RESISTOR;METAL;68Kohm;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R355,R359,R363,R367,R371,R375,R379,R383)]	*NOT available in DP
75	1.0000	PC			RESISTOR;METAL;80Kohm60;1%;0W063;SMD603	[P0AWN:5: {1.0}(R7)]	*NOT available in DP
76	16.0000	PC			RESISTOR;METAL;180Kohm;1%;0W063;SMD603	[P0AWQ:1: {8.0}(R272,R275,R278,R281,R284,R287,R290,R293)]	*NOT available in DP
77	1.0000	PC			RESISTOR;METAL;470Kohm;1%;0W063;SMD603	[P0AZP:00: {1.0}(R28)]	*NOT available in DP
78	2.0000	PC			RESISTOR;THICK FILM;22ohm;0W063;5%;SMD402	[P0AAQ:16: {2.0}(R70-R71)]	*NOT available in DP
79	1.0000	PC			RESISTOR;METAL;11Kohm3;1%;PPM100;0W063;SMD603	[P0AAQ:16: {1.0}(R69)]	*NOT available in DP
80	15.0000	PC			RESISTOR;CARBON;0ohm;5%;0W1;SMD805	[P0AZP:00: {6.0}(R12-R14,R50,R53,R55)]	*NOT available in DP
81	4.0000	PC			RESISTOR;CARBON;2ohm2;5%;0W1;SMD805	[P0AWN:00: {4.0}(R10-R13)]	*NOT available in DP
82	32.0000	PC			RESISTOR;CARBON;5ohm1;5%;0W1;SMD805	[P0AZP:00: {1.0}(R45)]	*NOT available in DP
83	39.0000	PC			RESISTOR;CARBON;10ohm;5%;0W1;SMD805	[C:00: {1.0}(R6)]	*NOT available in DP
84	1.0000	PC			RESISTOR;CARBON;47ohm;5%;0W1;SMD805	[C:00: {1.0}(R8)]	*NOT available in DP
85	1.0000	PC			RESISTOR;CARBON;56ohm;5%;0W1;SMD805	[C:00: {1.0}(R39)]	*NOT available in DP
86	12.0000	PC			RESISTOR;CARBON;75ohm;5%;0W1;SMD805	[P0AWN:00: {8.0}(R191-R198)]	*NOT available in DP
87	3.0000	PC			RESISTOR;CARBON;100ohm;5%;0W1;SMD805	[C:00: {3.0}(R25,R38,R40)]	*NOT available in DP
88	1.0000	PC			RESISTOR;CARBON;120ohm;5%;0W1;SMD805	[C:00: {1.0}(R42)]	*NOT available in DP
89	50.0000	PC			RESISTOR;CARBON;150ohm;5%;0W1;SMD805	[P0AWN:00: {2.0}(R3-R4)]	*NOT available in DP
90	1.0000	PC			RESISTOR;CARBON;200ohm;5%;0W1;SMD805	[P0AWN:00: {1.0}(R187)]	*NOT available in DP
91	16.0000	PC			RESISTOR;CARBON;390ohm;5%;0W1;SMD805	[P0AWQ:1: {8.0}(R352,R356,R360,R364,R368,R372,R376,R380)]	*NOT available in DP
92	1.0000	PC			RESISTOR;CARBON;470ohm;5%;0W1;SMD805	[P0AWN:03: {1.0}(R26)]	*NOT available in DP
93	1.0000	PC			RESISTOR;CARBON;1Kohm;5%;0W1;SMD805	[C:00: {1.0}(R5)]	*NOT available in DP
94	16.0000	PC			RESISTOR;CARBON;2Kohm2;5%;0W1;SMD805	[P0AAP:07: {16.0}(R222-R237)]	*NOT available in DP
95	1.0000	PC			RESISTOR;CARBON;4Kohm7;5%;0W1;SMD805	[C:00: {1.0}(R22)]	*NOT available in DP
96	5.0000	PC			RESISTOR;CARBON;47Kohm;5%;0W1;SMD805	[C:00: {5.0}(R9-R11,R13-R14)]	*NOT available in DP
97	25.0000	PC			RESISTOR;CARBON;100Kohm;5%;0W1;SMD805	[C:00: {1.0}(R33)]	*NOT available in DP
98	8.0000	PC			RESISTOR;METAL;100ohm;1%;0W1;SMD805	[P0AWN:00: {5.0}(R2,R39-R40,R42-R43)]	*NOT available in DP
99	9.0000	PC			RESISTOR;METAL;120ohm;1%;0W1;SMD805	[P0AWN:00: {1.0}(R219)]	*NOT available in DP
100	32.0000	PC			RESISTOR;METAL;150ohm;1%;0W1;SMD805	[P0AWQ:1: {16.0}(R385,R388,R390,R393,R395,R398,R400,R403,R405,R408,R410,R413,R415,R418,R420,R423)]	*NOT available in DP
101	3.0000	PC			RESISTOR;METAL;200ohm;1%;0W1;SMD805	[P0AAP:07: {1.0}(R16)]	*NOT available in DP
102	1.0000	PC			RESISTOR;METAL;249ohm;1%;0W1;SMD805	[C:00: {1.0}(R43)]	*NOT available in DP
103	4.0000	PC			RESISTOR;METAL;357ohm;1%;0W1;SMD805	[P0AWN:00: {1.0}(R220)]	*NOT available in DP
104	34.0000	PC			RESISTOR;METAL;1Kohm;1%;0W1;SMD805	[P0AWQ:1: {16.0}(R386-R387,R391-R392,R396-R397,R401-R402,R406-R407,R411-R412,R416-R417,R421-R422)]	*NOT available in DP
105	1.0000	PC			RESISTOR;METAL;1Kohm5;1%;0W1;SMD805	[C:00: {1.0}(R27)]	*NOT available in DP
106	1.0000	PC			RESISTOR;METAL;2Kohm20;1%;0W1;SMD805	[C:00: {1.0}(R7)]	*NOT available in DP
107	1.0000	PC			RESISTOR;METAL;3Kohm01;1%;0W1;SMD805	[C:00: {1.0}(R49)]	*NOT available in DP
108	1.0000	PC			RESISTOR;METAL;3Kohm32;1%;0W1;SMD805	[C:00: {1.0}(R32)]	*NOT available in DP
109	1.0000	PC			RESISTOR;METAL;4Kohm22;1%;0W1;SMD805	[C:00: {1.0}(R47)]	*NOT available in DP
110	2.0000	PC			RESISTOR;METAL;8Kohm20;1%;0W1;SMD603	[P0AZP:00: {1.0}(R29)]	*NOT available in DP
111	1.0000	PC			RESISTOR;METAL;10Kohm;1%;0W1;SMD805	[C:00: {1.0}(R24)]	*NOT available in DP
112	3.0000	PC			RESISTOR;METAL;22Kohm;1%;0W1;SMD805	[C:00: {1.0}(R18)]	*NOT available in DP
113	1.0000	PC			RESISTOR;METAL;39Kohm2;1%;0W1;SMD805	[C:00: {1.0}(R23)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
114	33.0000	PC			RESISTOR;METAL;47Kohm;1%;0W1;SMD805	[C:00: {1.0}(R46)]	*NOT available in DP
115	1.0000	PC			RESISTOR;METAL;51Kohm1;1%;0W1;SMD805	[C:00: {1.0}(R48)]	*NOT available in DP
116	1.0000	PC			RESISTOR;METAL;56Kohm;1%;0W1;SMD805	[C:00: {1.0}(R37)]	*NOT available in DP
117	1.0000	PC			RESISTOR;METAL;56Kohm2;1%;0W1;SMD805	[C:00: {1.0}(R28)]	*NOT available in DP
118	1.0000	PC			RESISTOR;METAL;100Kohm;1%;0W1;SMD805	[C:00: {1.0}(R21)]	*NOT available in DP
119	2.0000	PC			RESISTOR;METAL;470Kohm;1%;0W1;SMD805	[C:00: {2.0}(R16-R17)]	*NOT available in DP
120	8.0000	PC			RESISTOR;METAL;49ohm9;1%;PPM50;0W125;SMD603	[POAWN:00: {8.0}(R202-R209)]	*NOT available in DP
121	2.0000	PC			RESISTOR;METAL;47ohm;1%;0W25;SMD1206	[C:00: {2.0}(R15,R26)]	*NOT available in DP
122	6.0000	PC			RESISTOR;SMT;2Kohm2;1%;METAL;0W25;SMD1206	[C:00: {6.0}(R29-R31,R34-R36)]	*NOT available in DP
123	4.0000	PC			RESISTOR;SMT;470Kohm;5%;METAL;0W25;SMD1206	[C:00: {4.0}(R19-R20,R44-R45)]	*NOT available in DP
124	1.0000	PC			RESISTOR;CARBON;47ohm;5%;1W;SMD2512	[POAWN:00: {1.0}(R152)]	*NOT available in DP
125	4.0000	PC			RESISTOR;METAL;10ohm;1%;0W33;SMD1210	[C:00: {4.0}(R41,R50-R52)]	*NOT available in DP
126	3.0000	PC			RESISTOR;CARBON;1Kohm;5%;0W0625;SMD402	[POAAQ:16: {1.0}(R44)]	*NOT available in DP
127	1.0000	PC			RESISTOR;CARBON;2Kohm;5%;0W0625;SMD402	[POAAQ:16: {1.0}(R74)]	*NOT available in DP
128	30.0000	PC			RESISTOR;THICK FILM;10Kohm;5%;0W0625;SMD402	[POAAQ:16: {26.0}(R1-R9,R20-R22,R24-R29,R31-R32,R35,R42-R43,R46,R51,R61)]	*NOT available in DP
129	1.0000	PC			RESISTOR;THICK FILM;150Ohm;0W0625;1%;SMD402	[POAAQ:16: {1.0}(R62)]	*NOT available in DP
130	2.0000	PC			RESISTOR;THICK FILM;33ohm;1%;PPM100;0W0625;SMD402	[POAAQ:16: {2.0}(R84-R85)]	*NOT available in DP
131	3.0000	PC			RESISTOR;METAL;PPM100;100ohm;0W0625;1%;SMD402	[POAAQ:16: {3.0}(R72-R73,R83)]	*NOT available in DP
132	1.0000	PC	Y04-00100-23978	I04-00100-23978	THERMISTOR;NTC;10ohm;3A	[C:00: {1.0}(R4)]	
133	1.0000	PC			VARIATOR;385V;0.6 W;PITCH:7.5 mm;VRMS:300V;14471K	[C:00: {1.0}(VR1)]	*NOT available in DP
134	1.0000	PC			RESISTOR;CARBON;150ohm;5%;2W;LEAD WIRE	[C:00: {1.0}(R2)]	*NOT available in DP
135	1.0000	PC			RESISTOR;CEMENT;33Kohm;5%;2W;LEAD WIRE;RADIAL;PITCH:5mm;PRECUT:3mm1+/-0mm5	[C:00: {1.0}(R3)]	*NOT available in DP
136	1.0000	PC			RESISTOR;CEMENT;0ohm27;10%;2W;LEAD WIRE	[C:00: {1.0}(R1)]	*NOT available in DP

Potentiometer

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Y03-00000-76076	I03-00000-76076	POTENTIOMETER;50 kohm;0.050W;C;20 %;MONO;SHAFT:25MM;0CC;HT;NOBLE	[POAWN:03: {1.0}(VR1)]	
2	1.0000	PC	Y03-00000-76574	I03-00000-76574	POTENTIOMETER;50 kohm;0.050W;A;20 %;STEREO;SHAFT:25MM;0CC;HT;NOBLE	[POAWN:03: {1.0}(VR2)]	

Encoder

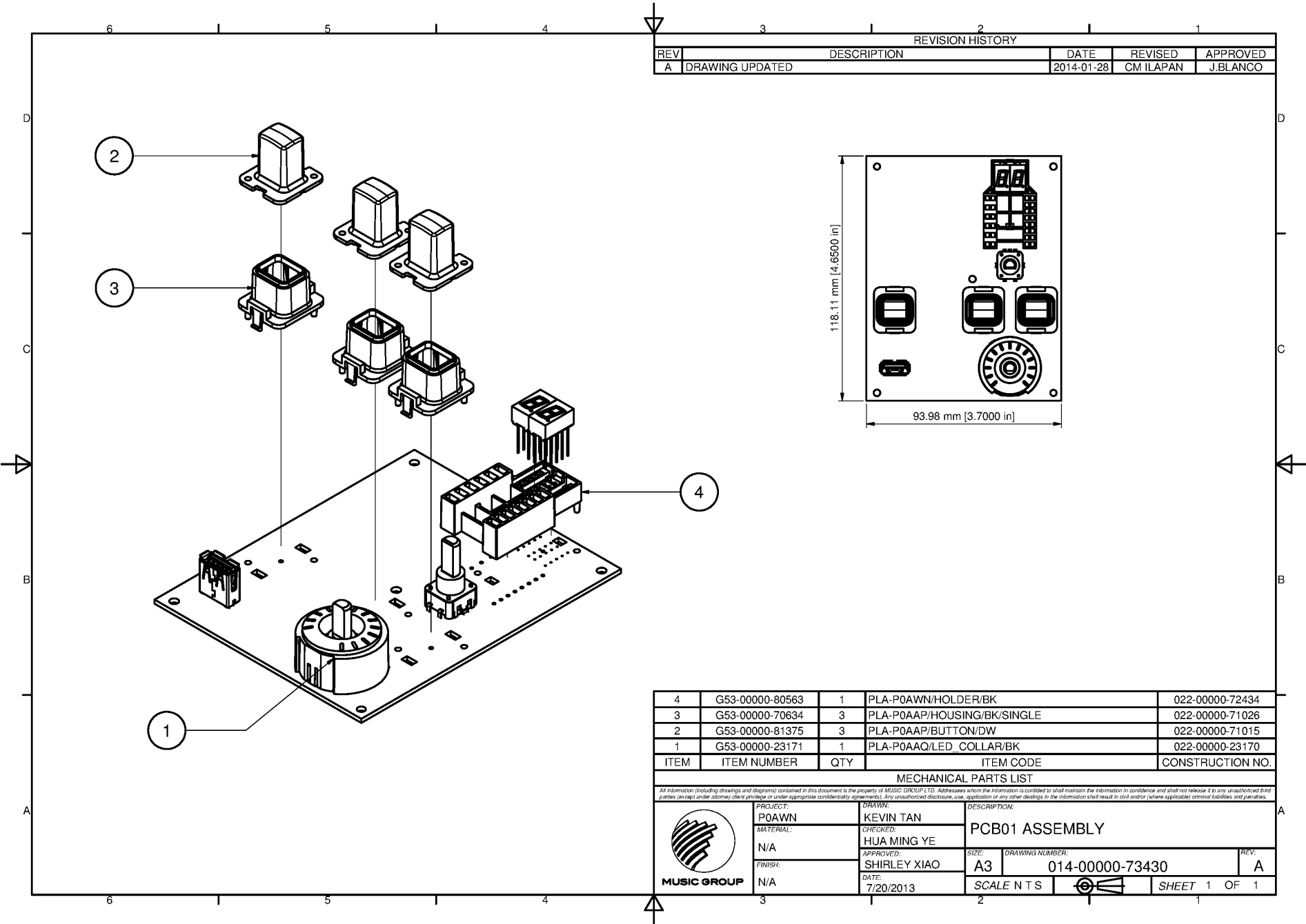
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC	Y32-00000-18946	I32-00000-18946	ENCODER;2.5 MM;SHT:25;24PL;0CC;ENDLESS;30~80gf;TRANSPARENT SHAFT	[POAWN:01: {1.0}(SW1)]	
2	7.0000	PC	Y32-00000-19166	I32-00000-19166	ENCODER;24PL;SWITCH;30~80gf;24CC;ENDLESS;SHT:25mm3	[POAWN:02: {6.0}(SW2-SW7)]	

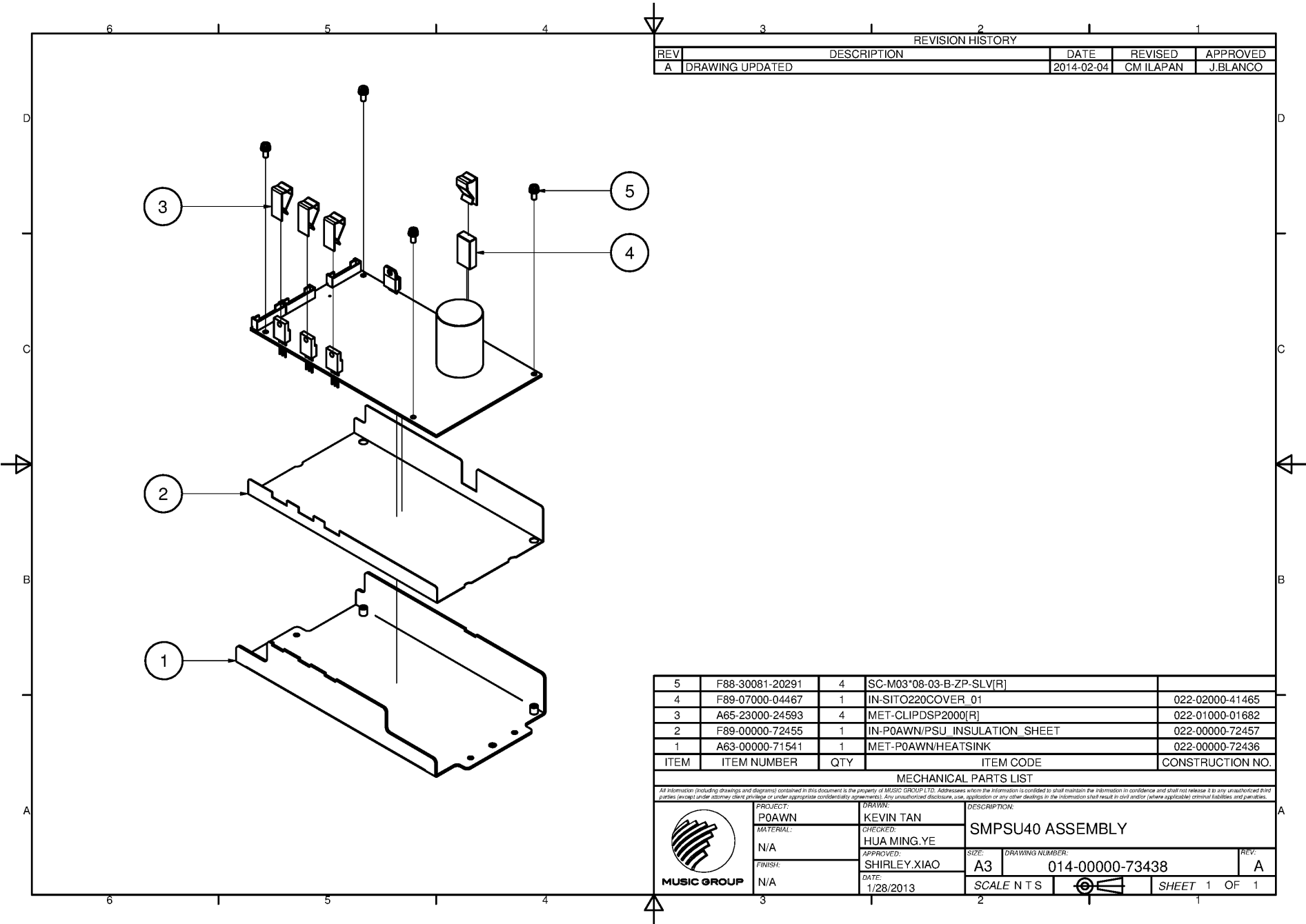
Switch

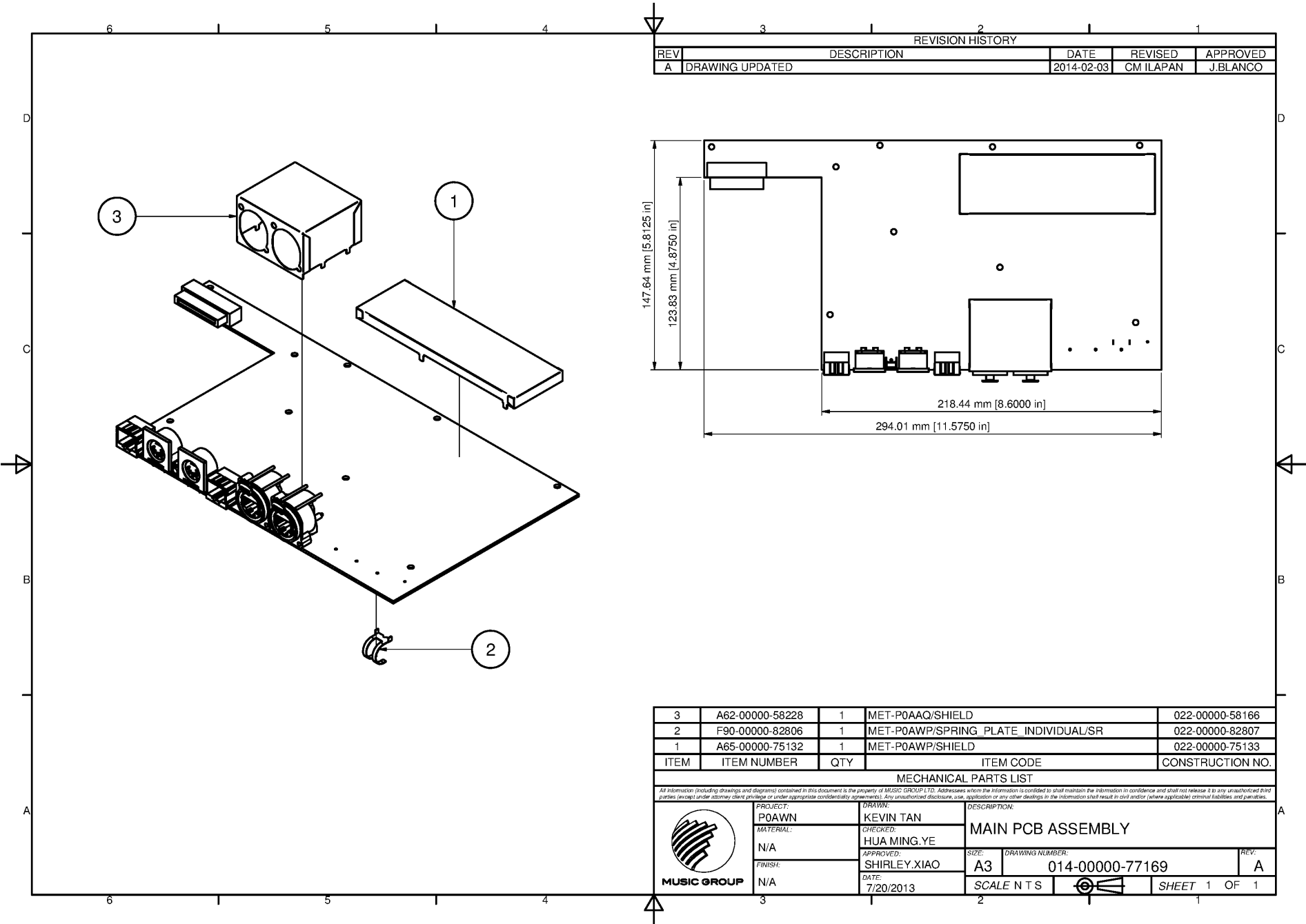
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Y82-02211-02777	I82-00001-15485	SWITCH;PUSH;1;P1;TLOCKING;SHORTING;L		
2	1.0000	PC	Y87-00000-39582	I87-00000-39582	SWITCH;TACTILE;1;NONLOCK;4;VERTICAL;HANDLE:5	[POAWN:00: {1.0}(SW1)]	

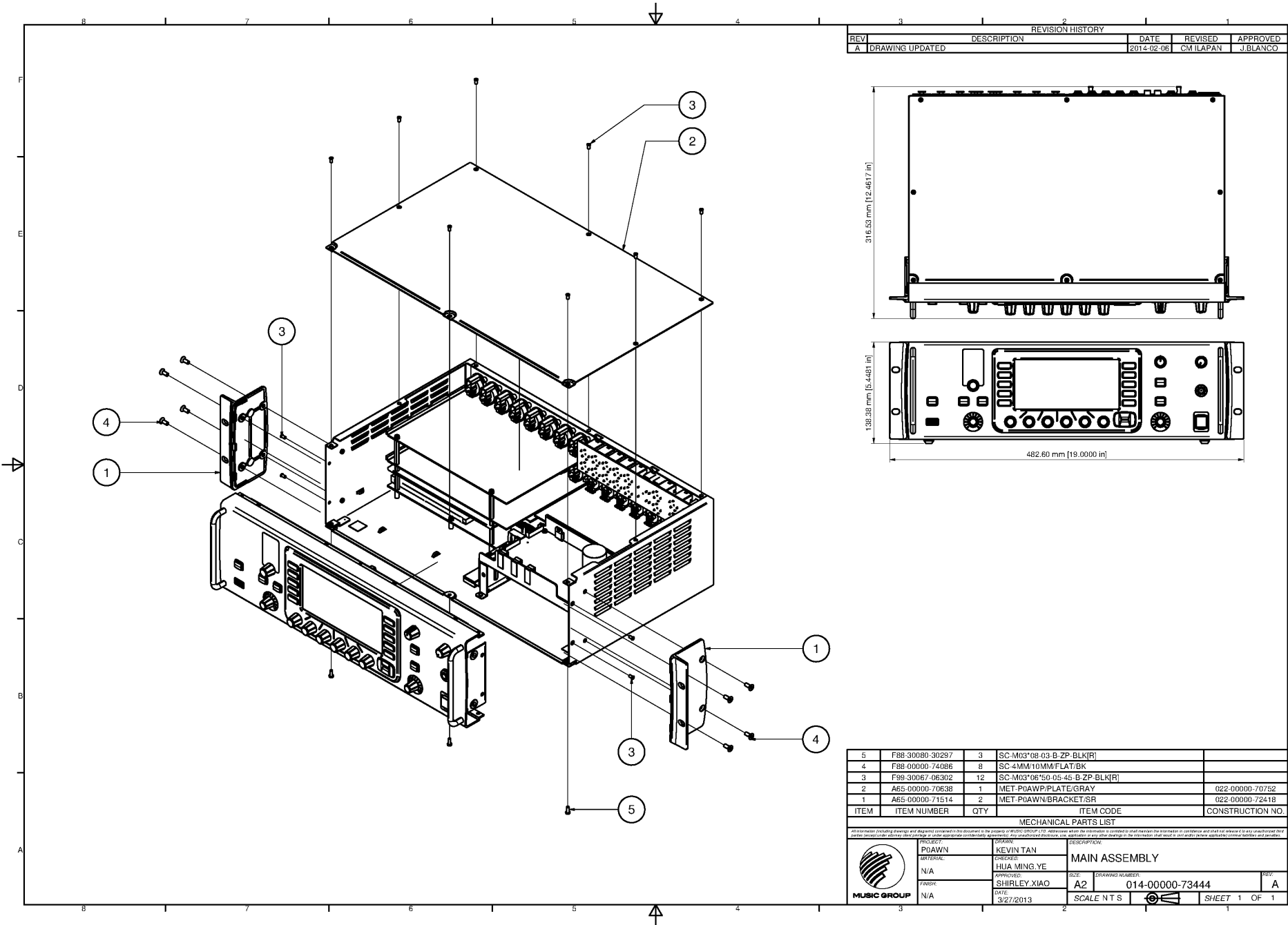
Transistor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	32.0000	PC			TRANSISTOR;TO-236MOD;SMD;PINS:3;2SC3324BL	[P0AWQ:1: {16.0}(T17-T32)]	*NOT available in DP
2	1.0000	PC			TRANSISTOR;FET;600V;SPP07N60C3;TO220	[C:00: {1.0}(T1)]	*NOT available in DP
3	5.0000	PC			TRANSISTOR;BC846B;SOT;SMD	[C:00: {4.0}(T3-T6)]	*NOT available in DP
4	1.0000	PC			TRANSISTOR;BC856B;SOT;SMD	[P0AWN:5: {1.0}(T2)]	*NOT available in DP
5	19.0000	PC			TRANSISTOR;MBTA06;SOT-23	[P0AAP:07: {1.0}(T1)]	*NOT available in DP
6	19.0000	PC			TRANSISTOR;MBTA56;SOT-23	[P0AAP:07: {1.0}(T2)]	*NOT available in DP
7	2.0000	PC			TRANSISTOR;MMBT3904LT1;SOT23;SMD	[P0AWN:00: {2.0}(T1-T2)]	*NOT available in DP
8	18.0000	PC			TRANSISTOR;SST113;SOT	[P0AAP:07: {16.0}(T3-T18)]	*NOT available in DP
9	1.0000	PC			TRANSISTOR;TIP31C;TO220	[C:00: {1.0}(T2)]	*NOT available in DP





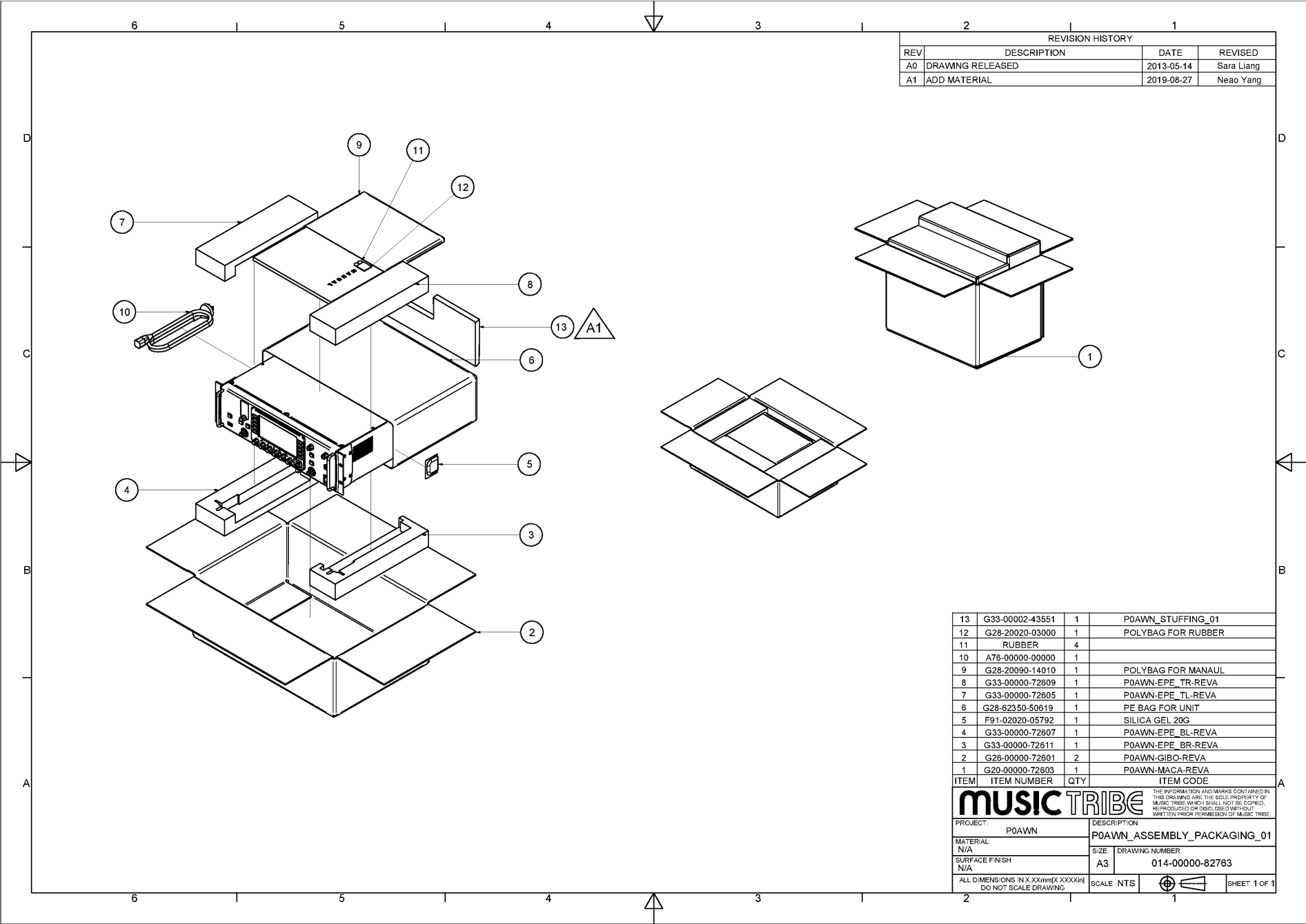


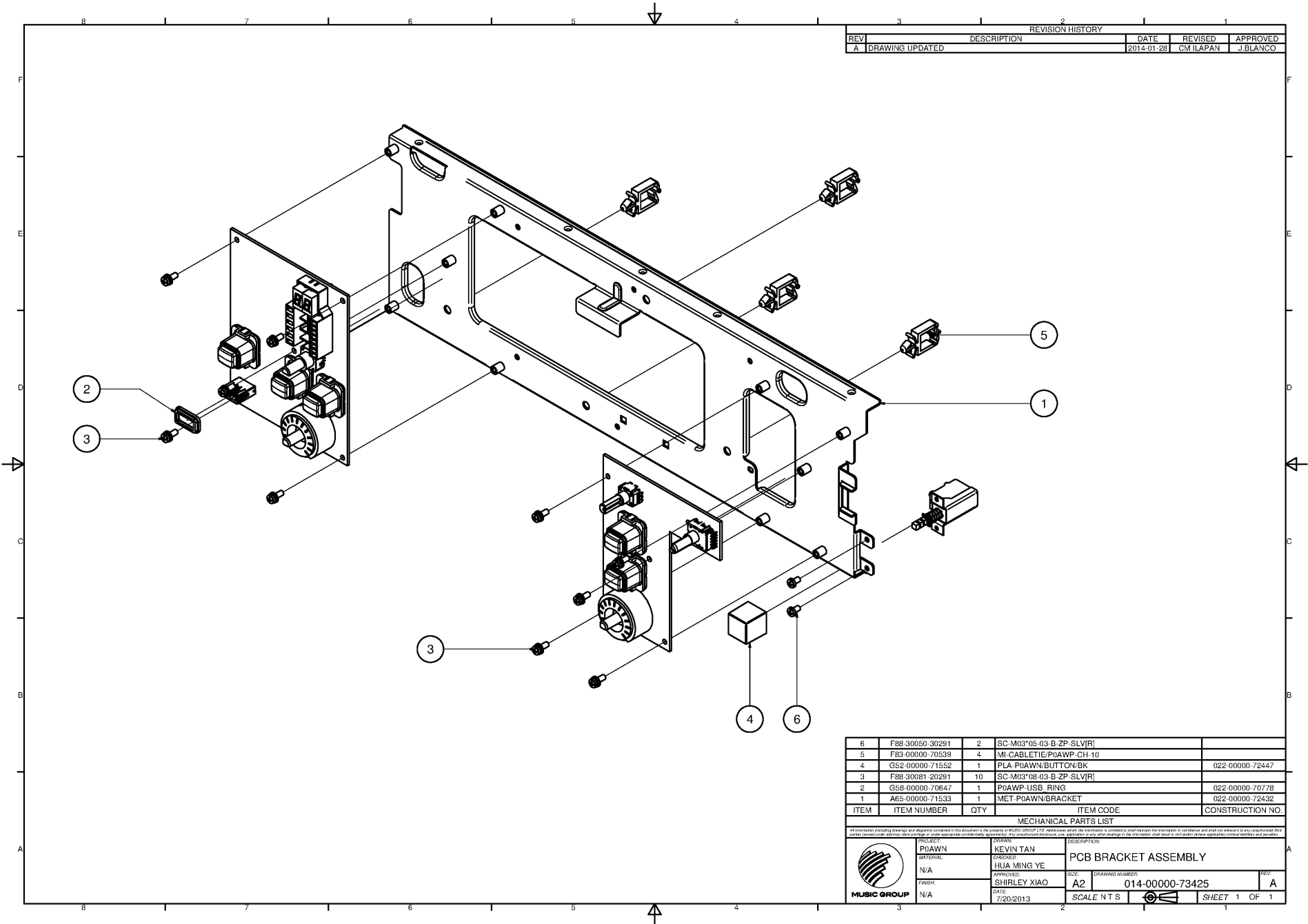


REVISION HISTORY				
REV	DESCRIPTION	DATE	REVISED	APPROVED
A	DRAWING UPDATED	2014-02-06	CM ILAPAN	J.BLANCO

5	F88-30080-30297	3	SC-M03*08-03-B-ZP-BLK[R]	
4	F88-00000-74086	8	SC-4MM/10MM/FLAT/BK	
3	F99-30067-06302	12	SC-M03*06*50-05-45-B-ZP-BLK[R]	
2	A65-00000-70638	1	MET-P0AWP/PLATE/GRAY	022-00000-70752
1	A65-00000-71514	2	MET-P0AWN/BRACKET/SR	022-00000-72418
ITEM	ITEM NUMBER	QTY	ITEM CODE	CONSTRUCTION NO.

MECHANICAL PARTS LIST			
PROJECT		DRAWN	
P0AWN		KEVIN TAN	
DATE		CHECKED	
N/A		HUA MING YE	
APPROVED		DATE	
SHIRLEY XIAO		3/27/2013	
FINISH		SCALE	
N/A		N T S	
		SHEET 1 OF 1	



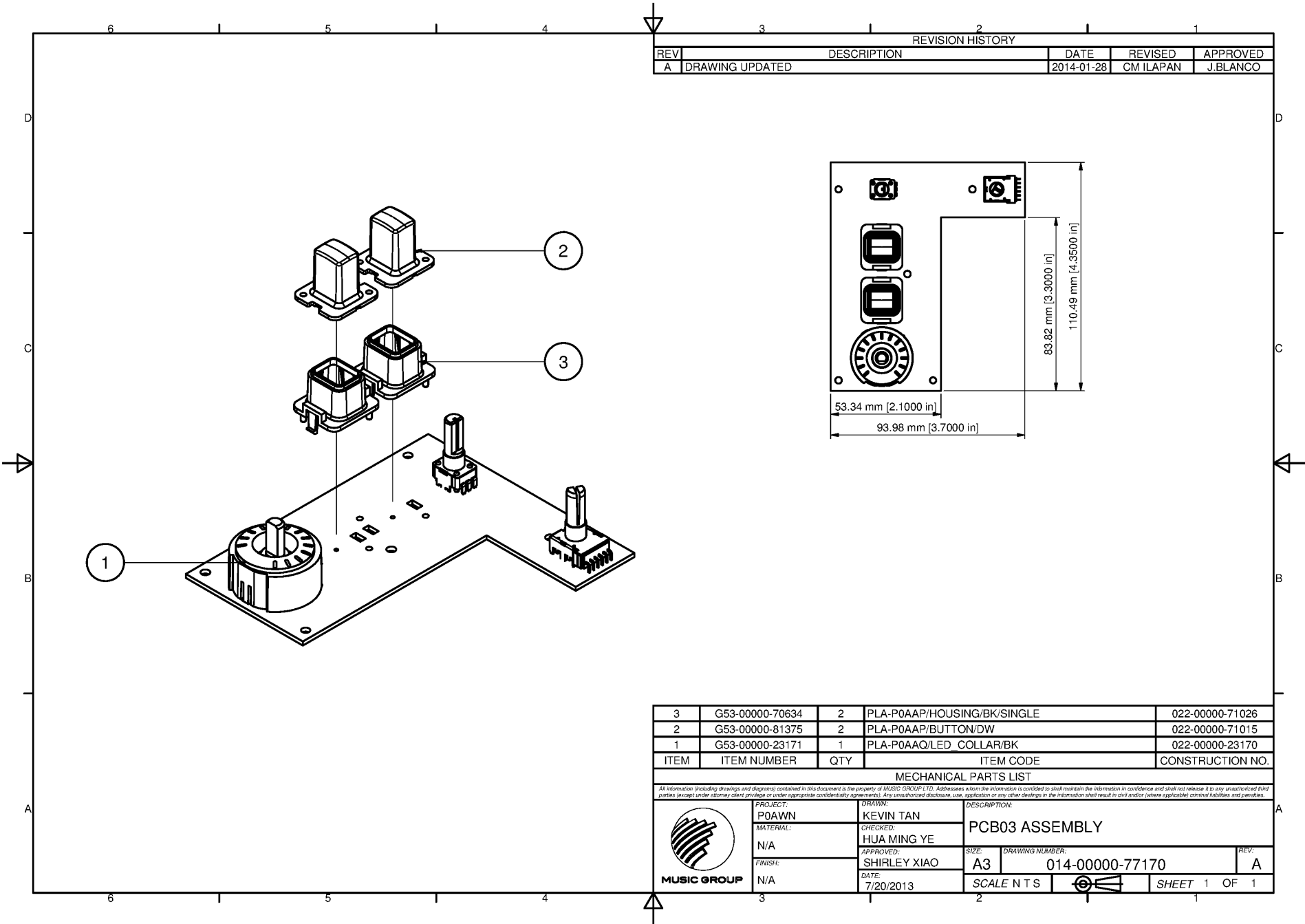


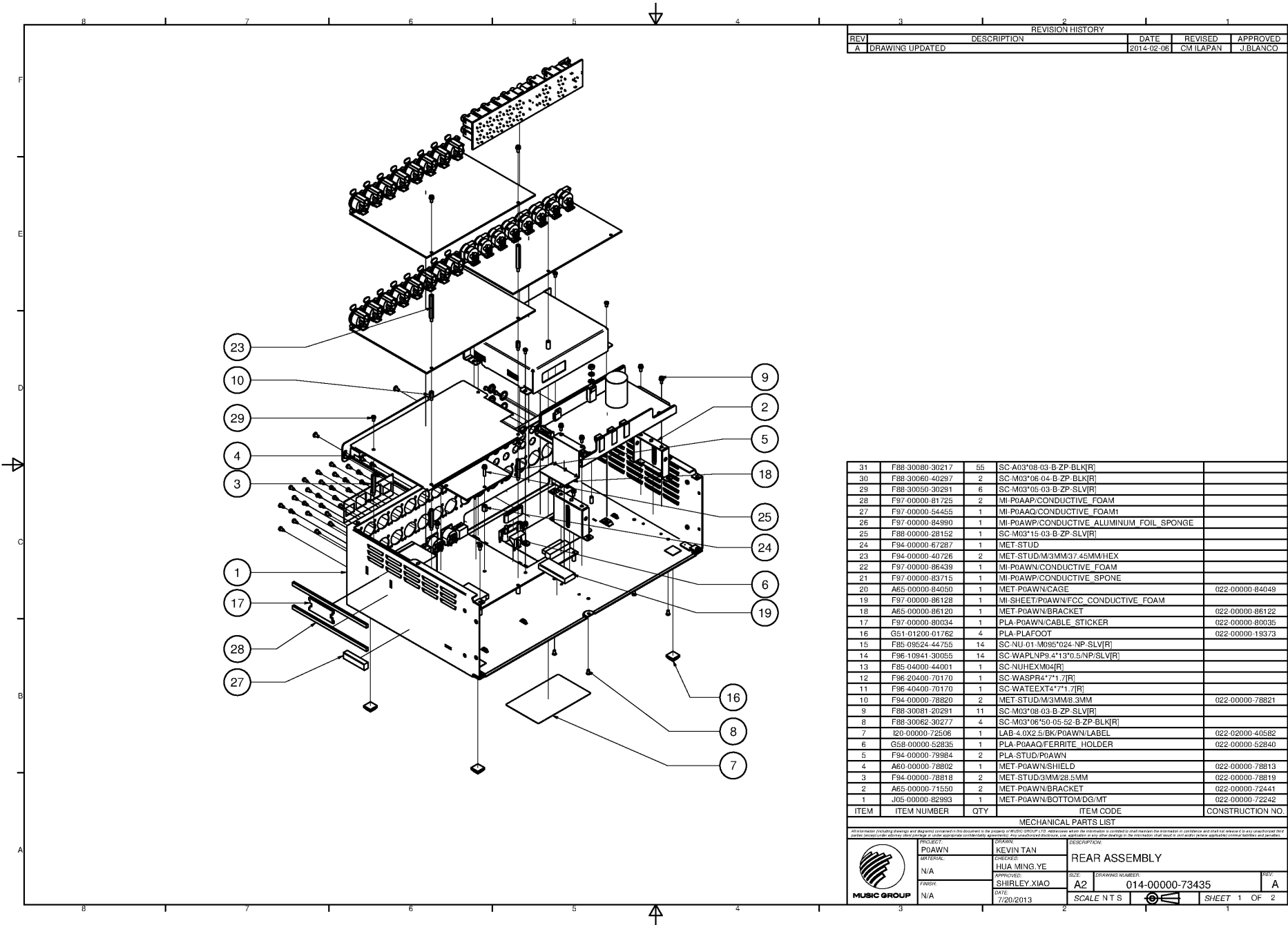
REVISION HISTORY				
REV	DESCRIPTION	DATE	REVISED	APPROVED
A	DRAWING UPDATED	2014-01-28	CM ILAPAN	J.BLANCO

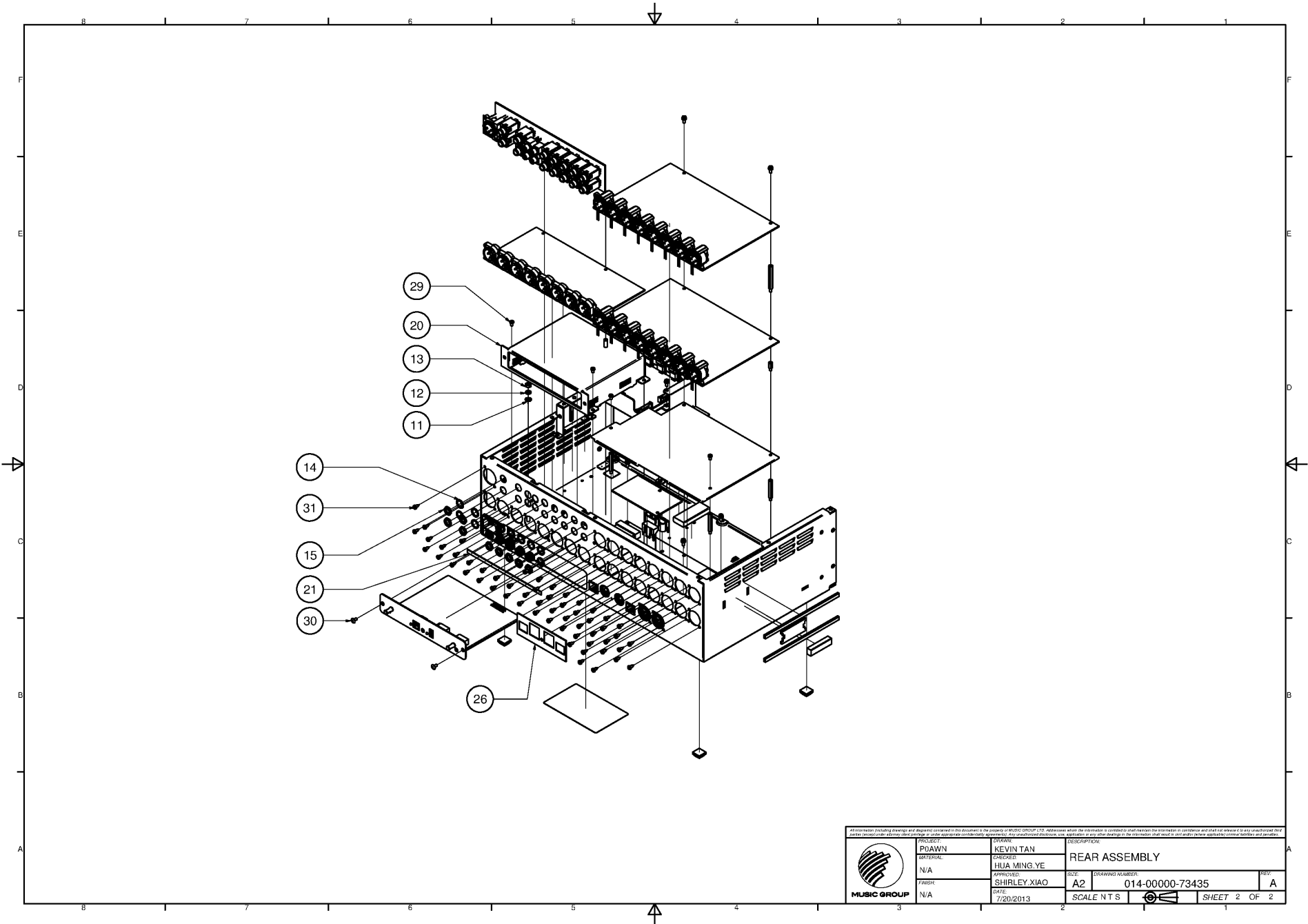
6	F88-30050-30291	2	SC-M03*05-03-B-ZP-SLV[R]	
5	F83-00000-70539	4	MI-CABLETIE/P0AWP-CH-10	
4	G52-00000-71552	1	PLA-P0AWN/BUTTON/BK	022-00000-72447
3	F88-30081-20291	10	SC-M03*08-03-B-ZP-SLV[R]	
2	G58-00000-70647	1	P0AWP-USB-RING	022-00000-70778
1	A65-00000-71533	1	MET-P0AWN/BACKET	022-00000-72432
ITEM	ITEM NUMBER	QTY	ITEM CODE	CONSTRUCTION NO.

MECHANICAL PARTS LIST				
PROJECT		DRAWN		
P0AWN		KEVIN TAN		
DATE		CHECKED		
N/A		HUA MING YE		
APPROVED		SHIRLEY XIAO		
FINISH		DATE		
N/A		7/20/2013		
DESCRIPTION		PCB BRACKET ASSEMBLY		
SIZE		DRAWING NUMBER		REV
A2		014-00000-73425		A
SCALE		N T S		SHEET 1 OF 1



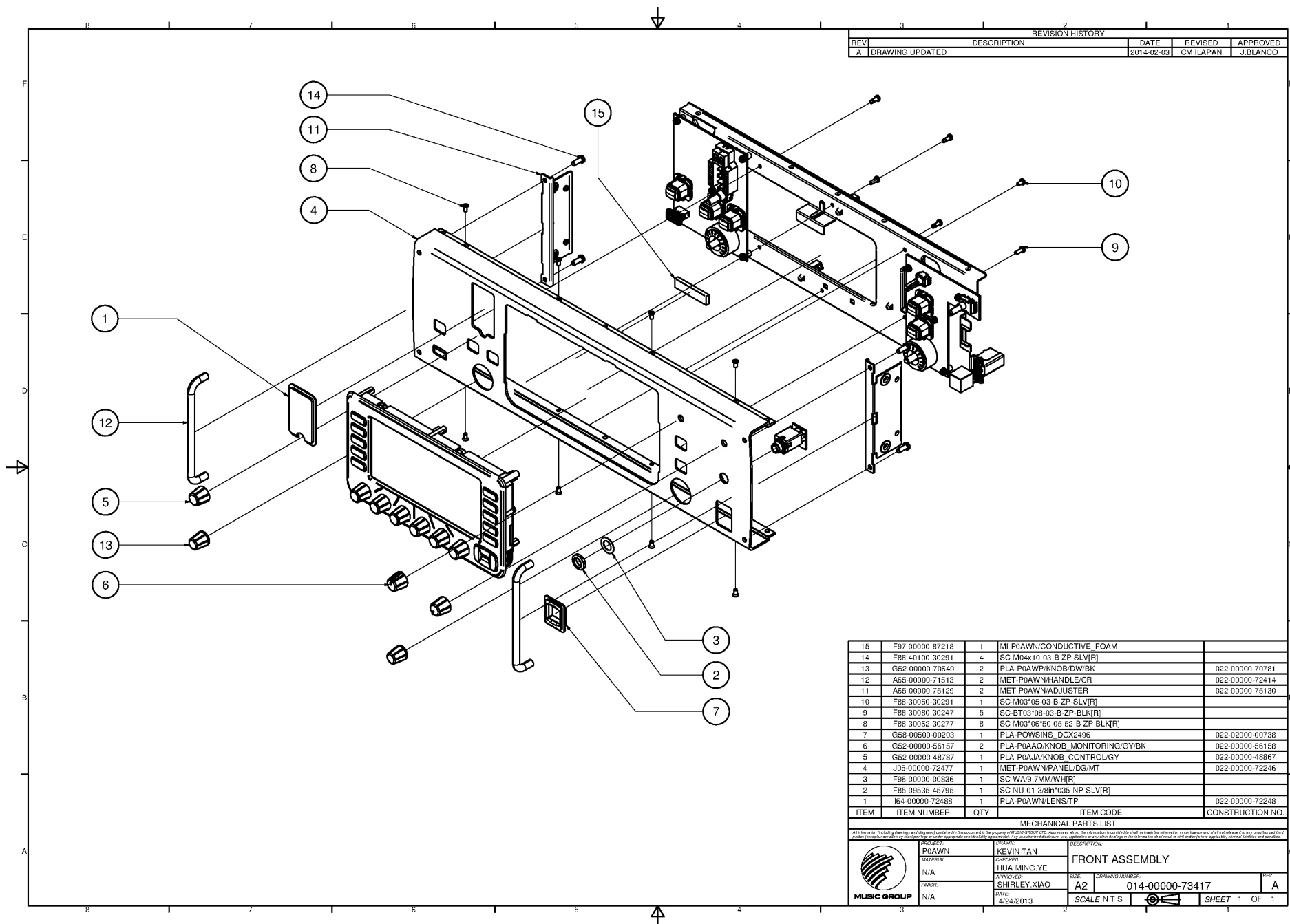






All information (including drawings and diagrams) contained in this document is the property of MUSIC GROUP LTD. Reproduction without the information is prohibited. The information is provided for reference and shall not be used for any other purpose without the prior written consent of MUSIC GROUP LTD. Reproduction of this information for any other purpose is prohibited. The information shall remain the property of MUSIC GROUP LTD. and shall not be disclosed to any third party without the prior written consent of MUSIC GROUP LTD.		DRAWN: KEVIN TAN		DESCRIPTION: REAR ASSEMBLY	
PROJECT: PAWVN		CHECKED: HUA MING YE		SIZE: A2	
N/A		APPROVED: SHIRLEY XIAO		DRAWING NUMBER: 014-00000-73435	
FINISH: N/A		DATE: 7/20/2013		SHEET 2 OF 2	







We Hear You