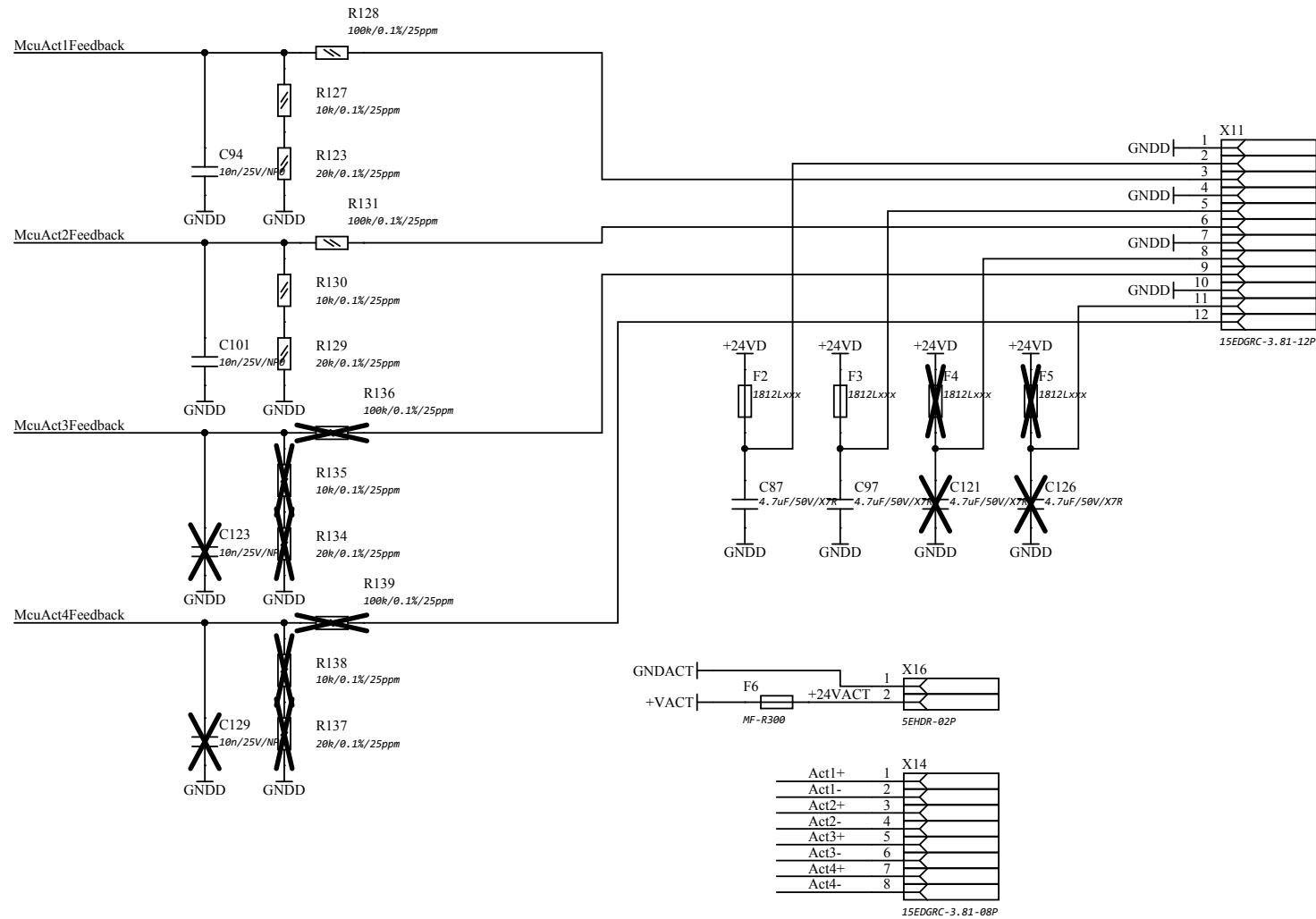


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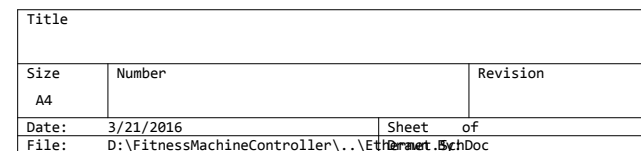
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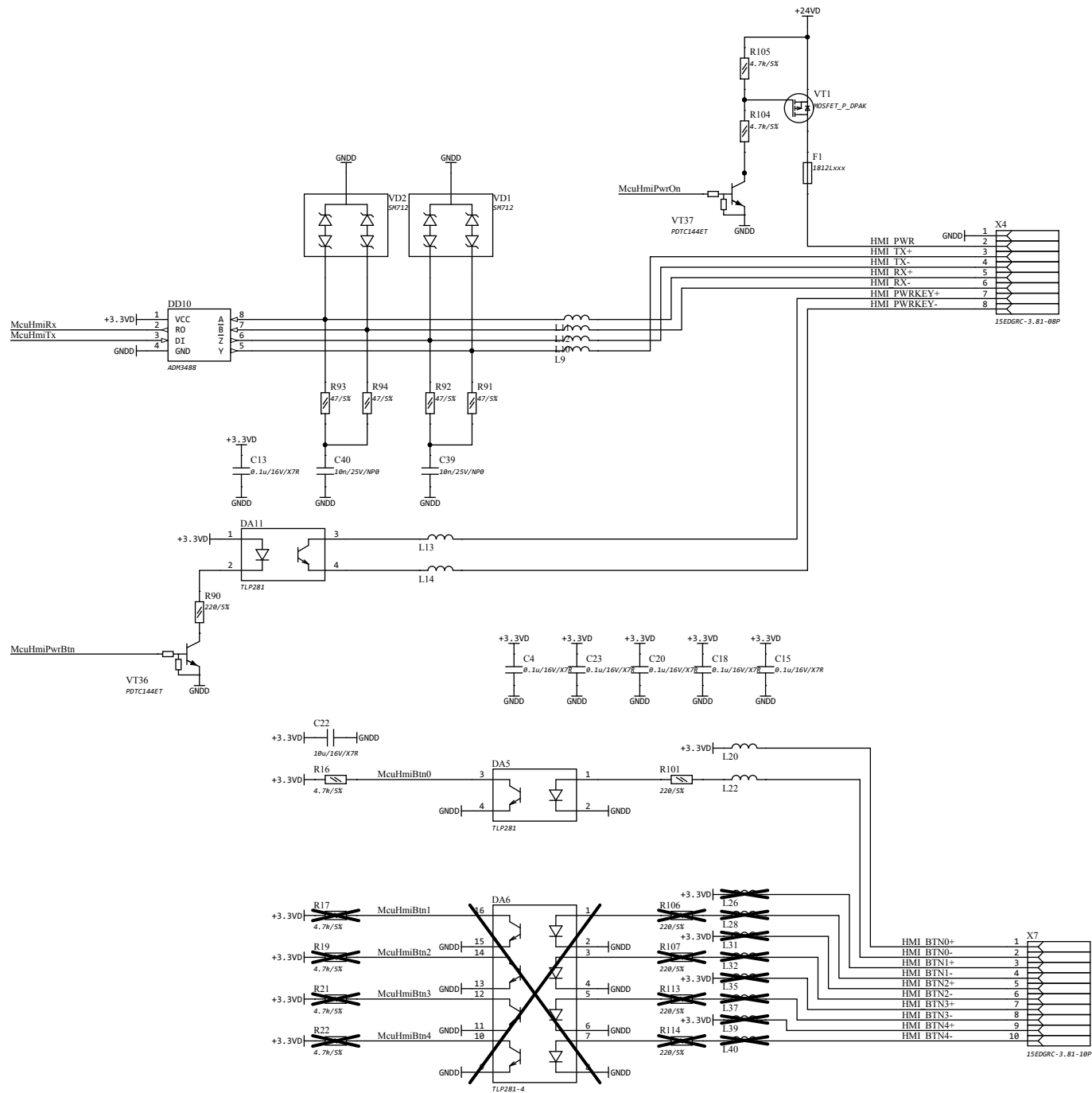
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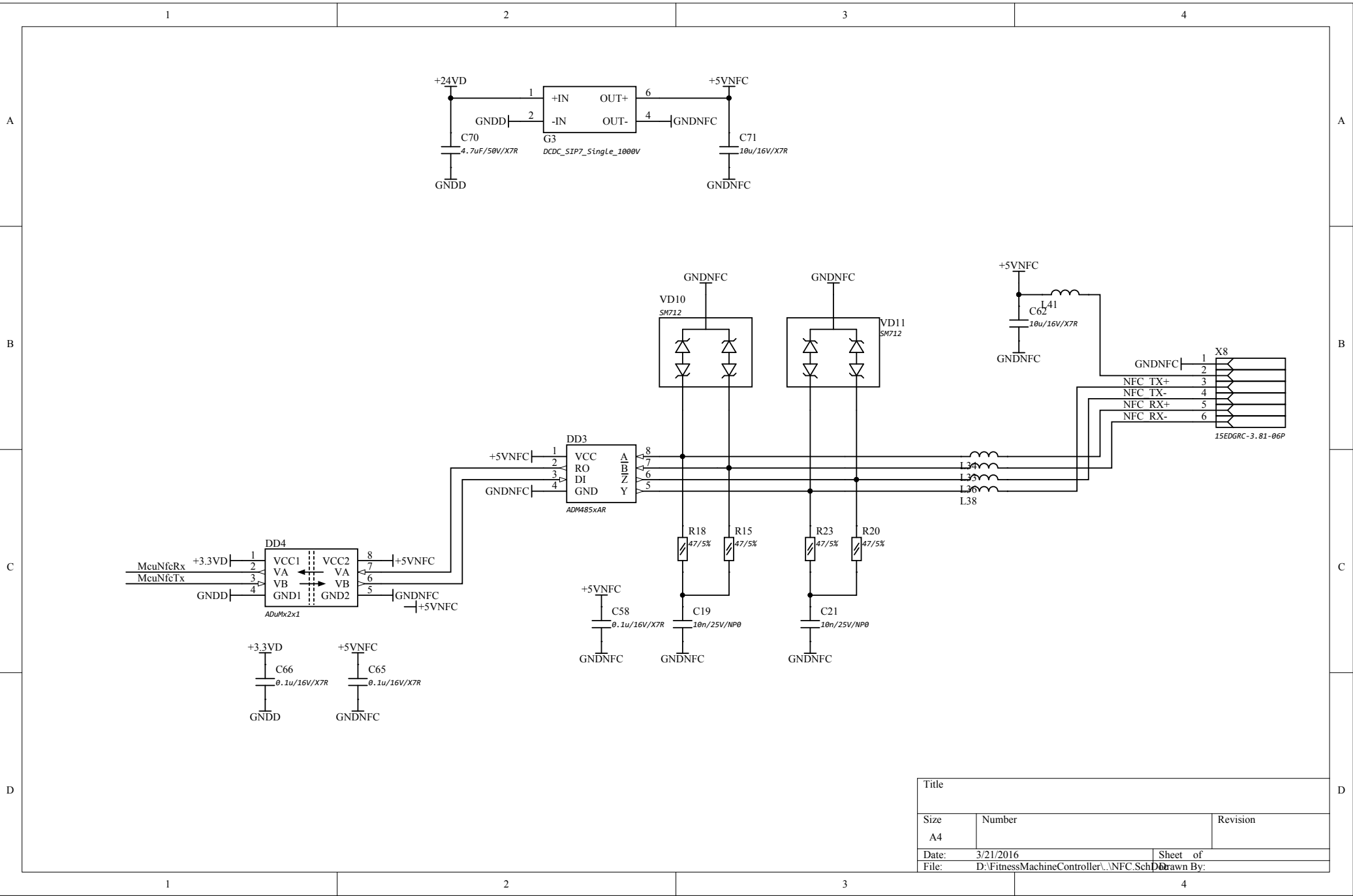


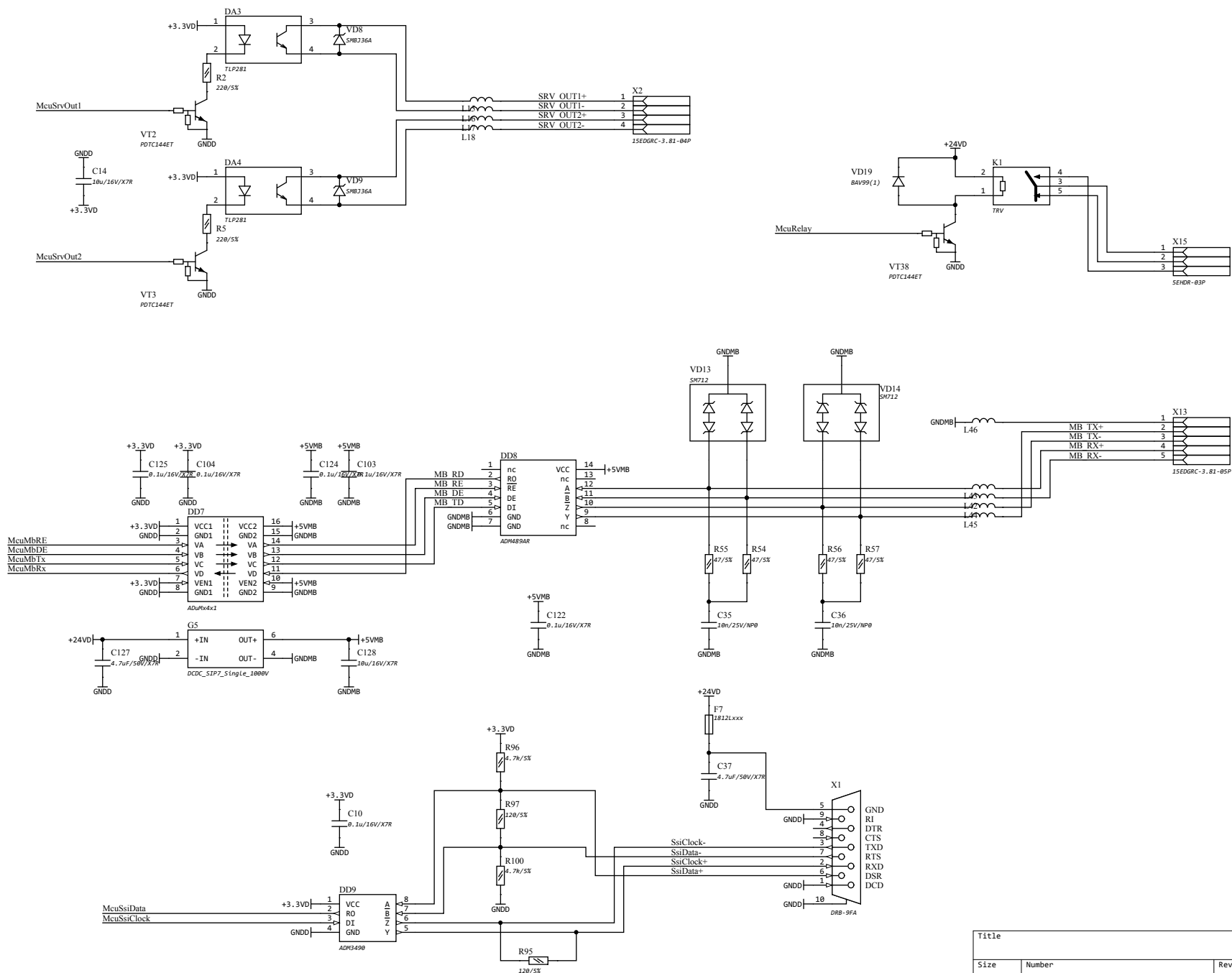
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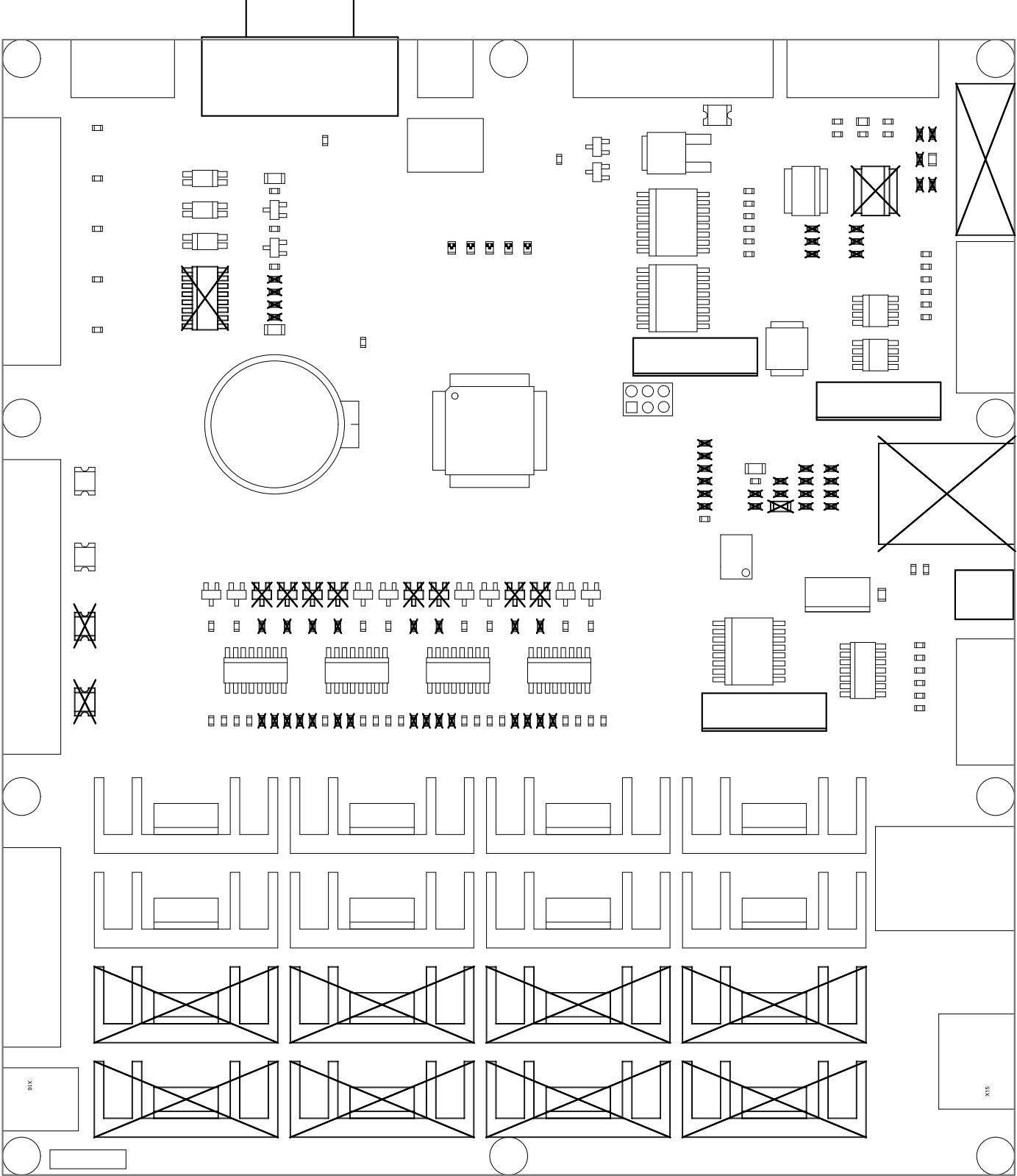
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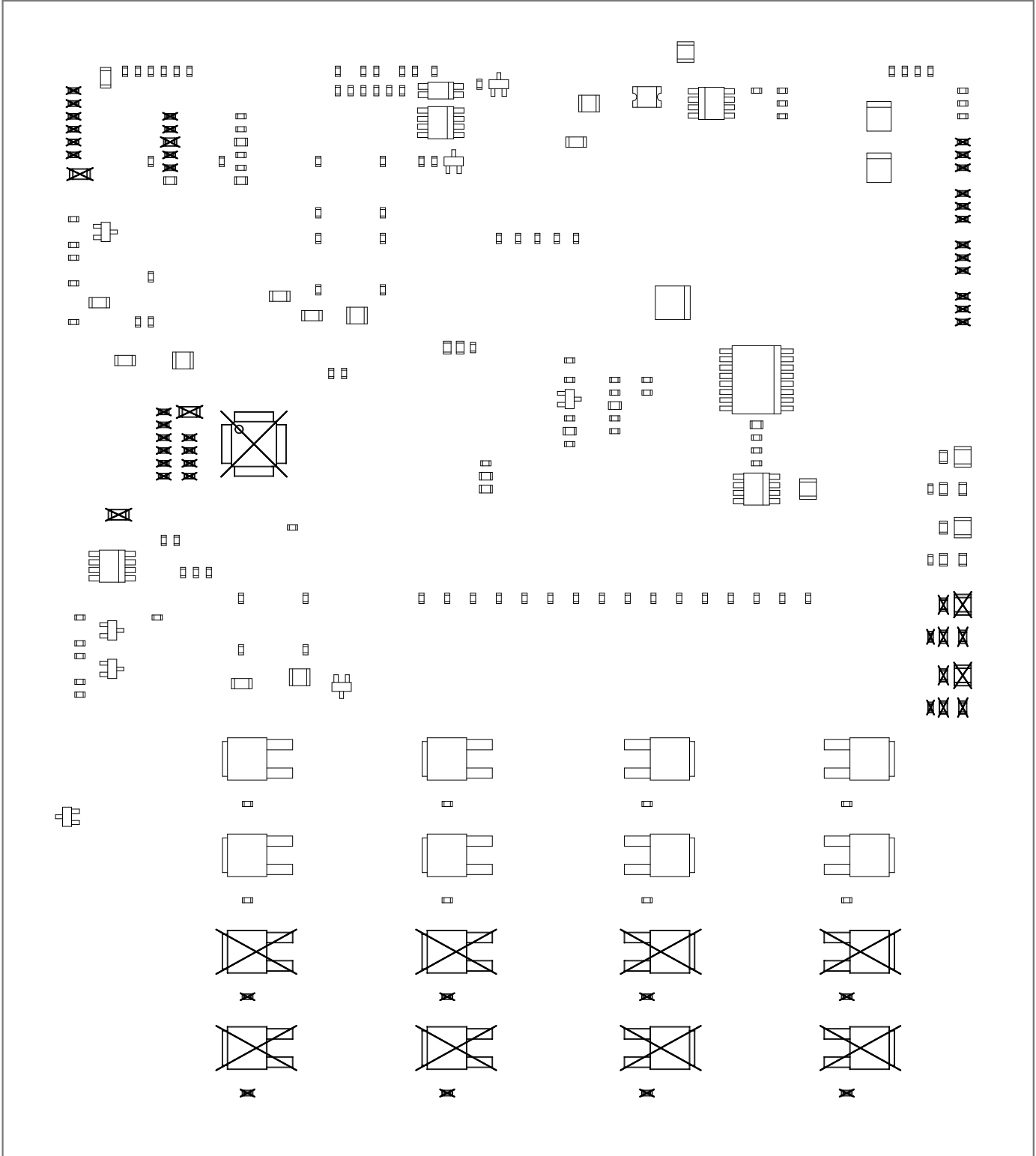
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Bill of Materials			<Parameter Title not found>		
Source Data From: RTCU2_PjPcb					
Project: RTCU2_PjPcb					
Variant: NORD1					
Creation Date: 3/21/2016 12:17:05 AM					
Print Date: 21-Mar-16 12:17:07 AM					
Footprint	Comment	LibRef	Designator	Description	Quantity
CapacitorSMD0805(reweld)	1u/16V/X7R	CapacitorSMD05(reweld)	C1, C11, C34, C44, C52, C53, C67, C68, C77, C82, C84, C91, C95	CAPACITOR Capacitor SMD 0805 2.0x1.2mm	13
CapacitorSMD0603(reweld)	10n/25V/NP0	CapacitorSMD03(reweld)	C2, C3, C7, C19, C21, C33, C35, C38, C40, C80, C85, C94, C101	CAPACITOR Capacitor SMD 0603 1.6x0.8mm	14
CapacitorSMD0603(reweld)	0.1u/16V/X7R	CapacitorSMD03(reweld)	C4, C10, C13, C15, C18, C20, C23, C25, C27, C46, C47, C48, C49, C50, C54, C55, C56, C57, C58, C59, C60, C65, C68, C69, C72, C73, C74, C78, C81, C86, C90, C98, C100, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C122, C124, C125	CAPACITOR Capacitor SMD 0603 1.6x0.8mm	56
CapacitorSMD0603(reweld)	100p/25V/NP0	CapacitorSMD03(reweld)	C6, C9	CAPACITOR Capacitor SMD 0603 1.6x0.8mm	2
CapacitorSMD12106(reweld)	10u/16V/X7R	CapacitorSMD06(reweld)	C14, C22, C26, C38, C42, C61, C62, C71, C128	CAPACITOR Capacitor SMD 1206 3.2x1.6mm	10
CapacitorSMD1210(reweld)	4.7uF/50V/X7R	CapacitorSMD10(reweld)	C37, C41, C63, C70, C87, C93, C97, C102	CAPACITOR Capacitor SMD 1210 3.2x2.5mm	6
CapacitorSMD0603(reweld)	100pF/50V/NP0	CapacitorSMD06	C75	CAPACITOR Capacitor SMD 0603 1.6x0.8mm	1
TSOP24_A	AD7192BRUZ	AD7192BRUZ	DA1	IC 24bit sigma-delta ADC	1
SO4_TLP281	TLP281	TLP281	DA3, DA4, DAS, DA11	IC Photocoupler	4
SO16	TLF291-4	TLF291-4	DA7, DA8, DA9, DA10	IC Photocoupler	1
SOT23	REF30xxAIDBZ	REF30xxAIDBZ	DA12	IC Voltage Reference 1.25 2.048 2.5 3.0 4.096	1
SO8	LM317L	LM317L	DA13	IC 3-Terminal 1A Positive Voltage Regulator	1
SO16W	ADuM4x4	ADuM4x4	DD1, DD2, DD7	IC Quad-Channel Digital Isolator	3
SO8	ADM485xAR	ADM485xAR	DD3	IC TRANSCEIVER RS485 +5V FullDuplex 11Mbps(=4x500kbps)+5V2.5Mbps(=6Mbps)(x=7)	1
SO8	ADuM2x1	ADuM2x1	DD4	IC Dual-Channel Digital Isolator	1
LQFP100_S	STM32F427VG	STM32F427VG	DD5	IC UCUP	1
MSOP24_TV	FT232RL	FT232RL	DD6	IC USB UART IC	1
SSOP24_TV	ADM489AR	ADM489AR	DD8	IC TRANSCEIVER RS485 +5V 250kbps FullDuplex	1
SO14	ADM489AR	ADM489AR	DD9	IC TRANSCEIVER RS485 +5V FullDuplex 11Mbps(=4x500kbps)+5V2.5Mbps(=6Mbps)(x=7)	1
SO8	ADM3480	ADM485xAR	DD9	IC TRANSCEIVER RS485 +5V FullDuplex 11Mbps(=4x500kbps)+5V2.5Mbps(=6Mbps)(x=7)	1
SO8	ADM3488	ADM485xAR	DD10	IC TRANSCEIVER RS485 +5V FullDuplex 11Mbps(=4x500kbps)+5V2.5Mbps(=6Mbps)(x=7)	1
SO8W	SST25VF016B	SST25VF016B	DD11	IC MEMORY	1
1812Lxxx	1812Lxxx	1812Lxxx	F1, F2, F3, F7	RESISTOR PTC Resettable Fuse	4
MF-R300	MF-R300	MF-R300	F8	RESISTOR PTC Resettable Fuse	1
R-780xx-1.0	R-780xx-1.0	R-780xx-1.0	G1	MODULE POWER non isolated	1
SIP7_DDCDC	DCDC_SIP7_S	DCDC_SIP7_S	G2, G3, G5	MODULE POWER Generic DCDC SIP7 package Single output Generic DCDC S8 package Dual output Low Isolation	3
KOD-87	KOD-V87 25.0	KOD-87	G4	OSCILLATOR Clock Oscillator	1
ISO16W	DS3242	DS3242	G6	OSCILLATOR 10MHz 32kHz	1
CH224-2032	CH224-2032	CH224-2032	G81	BATTERY CR2032	1
TRV_T11_R6TTRV	TRV	TRV	K1	RELAY appl. IC 5.2kV 16A-250VAC	1
LAY	InductorSMD47uH 2525	FemtecFilterBLM18	LT	MAGNETIC Inductor SMD 2525	1
InductorSMD0603(reweld)	FemtecFilterBLM18	FemtecFilterBLM18	L1, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L20, L22, L30, L33, L34, L36, L38, L41, L42, L43, L44, L45, L48	MAGNETIC BLM18 series ferrite bead SMD 0603	26
ResistorSMD0603(reweld)	47/5%	ResistorSMD0603(reweld)	R1, R3, R4, R5, R11, R12, R15, R16, R20, R23, R36, R54, R55, R56, R57, R91, R93, R93, R94	RESISTOR Resistor SMD 0603 1.6x0.8mm	18
ResistorSMD0603(reweld)	220/5%	ResistorSMD0603(reweld)	R2, R3, R40, R41, R44, R45, R46, R47, R52, R53, R60, R101	RESISTOR Resistor SMD 0603 1.6x0.8mm	12
ResistorSMD0603(reweld)	4.7k/5%	ResistorSMD0603(reweld)	R19, R58, R62, R62, R63, R64, R65, R66, R71, R74, R75, R76, R80, R81, R82, R83, R88, R90, R99, R100, R103, R104, R105, R115, R121, R124	RESISTOR Resistor SMD 0603 1.6x0.8mm	27
ResistorSMD0603(reweld)	100k/5%	ResistorSMD0603(reweld)	R37	RESISTOR Resistor SMD 0603 1.6x0.8mm	1
ResistorSMD0603(reweld)	120/5%	ResistorSMD0603(reweld)	R55, R97	RESISTOR Resistor SMD 0603 1.6x0.8mm	2
ResistorSMD0603(reweld)	470/5%	ResistorSMD0603(reweld)	R108, R109, R110, R111, R112, R132, R133	RESISTOR Resistor SMD 0603 1.6x0.8mm	7
ResistorSMD0603(reweld)	33k/5%	ResistorSMD0603(reweld)	R116	RESISTOR Resistor SMD 0603 1.6x0.8mm	1
ResistorSMD0603(reweld)	1M/5%	ResistorSMD0603(reweld)	R117	RESISTOR Resistor SMD 0603 1.6x0.8mm	1
ResistorSMD0603(reweld)	10k/5%	ResistorSMD0603(reweld)	R119, R140, R141, R142, R143, R144, R145, R146, R147	RESISTOR Resistor SMD 0603 1.6x0.8mm	9
ResistorSMD0603(reweld)	200k0.1%/25ppm	ResistorSMD0603(reweld)	R123, R129	RESISTOR Resistor SMD 0805 2.0x1.2mm	2
ResistorSMD0603(reweld)	10k0.1%/25ppm	ResistorSMD0603(reweld)	R127, R130	RESISTOR Resistor SMD 0805 2.0x1.2mm	2
ResistorSMD0603(reweld)	100k0.1%/25ppm	ResistorSMD0603(reweld)	R128, R131	RESISTOR Resistor SMD 0805 2.0x1.2mm	2
SOT23	SM712	SM712	VD1, VD2, VD10, VD11, VD13, VD14	DIODE TVS Unidirectional 300W TRANS 5V -188V	6
KP-2012	KP-2012SG	KP-2012SG	VD3, VD4, VD5, VD6, VD7	LED 0805 super bright green	5
SMB_V0B0	SMBLINA	SMBLINA	VD8, VD9	DIODE TVS Unidirectional 300W TRANS 5V -188V	1
SO8	USDB61	USDB61	VD12	DIODE TVS Data line protection	1
DPAK	STPSH100B	STPSH100B	VD15, VD16, VD17, VD18, VD20, VD21, VD22, VD23	DIODE Schottky 100V 5A	8
SOT23	BAV99(1)	BAV99(1)	VD19	DIODE High-speed double diode	1
DPAK	MOSFET_P_DP	MOSFET_P_DP	VF1	TRANSISTOR MOSFET P generic DPAK	1
SOT23	PDTIC144ET	PDTIC144ET	VF2, VF3, VF4, VF5, VF10, VF11, VF14, VF16, VF17, VF18, VF36, VF37, VF38	TRANSISTOR NPN resistors-equipped transistor sot23 (47k,47k)	13
TO220_SK2	BUT_NPN_DAR	BUT_NPN_DAR	VT20, VT21, VT24, VT25	TRANSISTOR generic npn darlington TO-220	4
TO220_SK2	BUT_PNP_DAR	BUT_PNP_DAR	VT22, VT23, VT26, VT27	TRANSISTOR generic prp darlington TO-220	4
DRB-6FA	DRB-6FA	DRB-6FA	X1	CONNECTOR	1
15EDGRC-3.81-04	04P	15EDGRC-3.81-04P	X2	CONNECTOR TERMINAL pitch=3.81mm	1
15EDGRC-3.81-02	02P	15EDGRC-3.81-02P	X3	CONNECTOR TERMINAL pitch=3.81mm	1
15EDGRC-3.81-08	08P	15EDGRC-3.81-08P	X4, X14	CONNECTOR TERMINAL pitch=3.81mm	2
15EDGRC-3.81-06	06P	15EDGRC-3.81-06P	X5, X8	CONNECTOR TERMINAL pitch=3.81mm	2
15EDGRC-3.81-10	10P	15EDGRC-3.81-10P	X7	CONNECTOR TERMINAL pitch=3.81mm	1
BH-6 Naked	JTAG_BH6_SW	JTAG_BH6_SW	X9	CONNECTOR PROGRAM 6-pin SWD connector	1
15EDGRC-3.81-12	12P	15EDGRC-3.81-12P	X11	CONNECTOR TERMINAL pitch=3.81mm	1
USBM-1J	USBM-1J	USBM-1J	X12	CONNECTOR USB mini B	1
15EDGRC-3.81-09	09P	15EDGRC-3.81-09P	X13	CONNECTOR TERMINAL pitch=3.81mm	1
5EHDR-03P	5EHDR-03P	5EHDR-03P	X15	CONNECTOR TERMINAL pitch=5mm	1
5EHDR-03P	5EHDR-03P	5EHDR-03P	X16	CONNECTOR TERMINAL pitch=5mm	1
Approved		Notes		371	