

Bill of Materials

dsp\_v3.1.PrjPCB

08-Feb-10

Quantity	Comment	Footprint	SupplierPartNumber	Designator	Description
26	100n	CC2012-0805	C0805C104K5RAC	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C15, C16, C19, C20, C21, C22, C30, C31, C32, C33, C34, C35, C37	Capacitor
6	3u3	CC3528-B	293D335X9025B2	C14, C24, C25, C26, C27, C36	Polarized capacitor
3	470n	CC3225-1210	GRM31MR71H474KA01	C17, C18, C29	Capacitor
1	5600p	CC2012-0805	C0805C562K5RAC	C23	Capacitor
1	33u	CC7343-D	593D336X9025D2	C28	Polarized capacitor
1	82p	CC2012-0805	C0805C820J5GACTU	C38	Capacitor
1	HDR2X7	HDR2X7	TSW-107-07-G-D	J2	Header 2x7 pin 0.100 inch
1	DB15HD	HD15RA/F	HD-DA15S-RAPC-1	J3	High density DB15 connector
1	HDR2X5	HDR2X5	TSW-105-07-G-D	J4	Header 2x5 pin 0.100 inch
1	HDR1X2	HDR1X2	TSW-102-07-G-S	J6	Header 1x2 pin 0.100 inch
6	SMB-M	C2012-0805	2508055007Y0	L1, L2, L4, L6, L10, L11	Ferrite bead
3	SMB-H	C3528	2743019446	L3, L12, L13	Ferrite bead
1	10u	RAD-0.2L	R622LY-100K	L8	Inductor
1	DIN120	DIN120RA	65906-5	P1	DIN 120 pin edge connector
10	47K	C3216-1206	CRCW120647K5FKEA	R1, R4, R5, R6, R7, R8, R9, R10, R31, R49	Resistor
1	33R2	C3216-1206	CRCW120633R2FKEA	R2	Resistor
8	10K	C3216-1206	CRCW120610K0FKEA	R11, R12, R13, R15, R40, R50, R51, R52	Resistor
12	22	C3216-1206	CRCW120622R1FKEA	R14, R17, R18, R19, R21, R22, R30, R43, R45, R46, R47, R48	Resistor
5	100	C3216-1206	CRCW1206100RFKEA	R20, R34, R35, R36, R37	Resistor
3	10R0	C3216-1206	CRCW120610R0FKEA	R23, R24, R41	Resistor
9	330	C3216-1206	CRCW1206332RFKEA	R26, R27, R28, R29, R32, R33, R53, R54, R55	Resistor
1	22R1	C3216-1206	CRCW120622R1FKEA	R42	Resistor
1	511	C3216-1206	CRCW1206511RFKEA	R44	Resistor
1	680	C3216-1206	CRCW1206680RFKEA	R56	Resistor
1	350	C3216-1206	CRCW1206348RFKEA	R57	Resistor
4	GND	SMTF	TP-107-02	TP1, TP2, TP3, TP4	Test point
1	DSP56303	TQFP20X20-G144/N	DSP56303AG100	U1	Digital Signal Processor
1	MAX811SCUS-T	SOT-143	MAX811SEUS-T	U2	uP voltage monitor
1	10.000MHZ	SMT4	EC2620ETTTTS-10.000M	U3	Oscillator
1	AT28LV256	QCC-J32	AT28LV256-20JI	U4	EEPROM 32Kx8
3	CY7C1049V33	SO-J36	CY7C1049V33-15VC	U5, U6, U7	Low-voltage 512Kx8 SRAM
1	LM3940IT-3.3	TO-220H	LM3940IT-3.3	U8	Voltage regulator
3	F74ACT377MTC	TSOP-G20	74ACT377MTC	U9, U18, U19	Octal D-type flip-flop
1	HFBR-5905	HFBR-5905	HFBR-5905	U10	Optical transceiver
1	SY87700LH1	TQFP7X7-G32/N	SY87700LH1	U11	Clock recovery circuit
1	MC100EPT22D	SO-G8	MC100EPT22D	U12	Dual TTL to LVPECL
1	MC100EPT23D	SO-G8	MC100EPT23D	U13	Dual LVPECL to TTL
1	LTC1688CS	SO-G16	LTC1688CS	U14	Quad RS-485 Driver
1	MAX3189EEUT-T	SOT23-6	MAX3189EEUT-T	U15	RS-232 driver
1	LTC1518CS	SO-G16	LTC1518CS	U16	Quad RS-485 Receiver
1	EPM7256AETC144	TQFP20X20-G144/N	EPM7256AETC144-6	U17	Programmable logic
1	PS9711	SOP-5	PS9711-ND	U21	Optoisolator