

Ext.	Qty	Part Number	Value	Description	Designator
206	14	399-1192-1-ND	10p	Capacitor	C1A, C1B, C1C, C18A, C18B, C18C, C49, C57, C67, C98A, C98B, C124, C154, C166
2455	167	399-1250-1-ND	100n	Capacitor	C2A, C2B, C2C, C3A, C3B, C3C, C4A, C4B, C4C, C5A, C5B, C5C, C11A, C11B, C11C, C13A, C13B, C13C, C14A, C14B, C14C, C16A, C16B, C16C, C17A, C17B, C17C, C19A, C19B, C19C, C20A, C20B, C20C, C21A, C21B, C21C, C23A, C23B, C23C, C24A, C24B, C24C, C25A, C25B, C25C, C26A, C26B, C26C, C27A, C27B, C27C, C28A, C28B, C28C, C29A, C29B, C29C, C35A, C35B, C35C, C36A, C36B, C36C, C37A, C37B, C37C, C38A, C38B, C38C, C39A, C39B, C39C, C40A, C40B, C40C, C48, C51, C52, C55, C58, C59, C64, C66, C70, C73, C75, C76, C77, C78, C83, C84, C85, C86, C87, C88, C89, C91, C92, C93, C94A, C94B, C96A, C96B, C99A, C99B, C100A, C100B, C101A, C101B, C102A, C102B, C105A, C105B, C107A, C107B, C110A, C110B, C111A, C111B, C116, C117, C118, C121, C123, C125, C127, C130, C131, C135, C138, C139, C146, C147, C155, C156, C161, C163, C167, C169, C170, C171, C174, C176, C177, C179, C180, C181, C182, C184, C185, C187, C189, C190, C191, C192, C193, C194, C195, C201, C202, C204, C205, C206, C208, C209, C210, C211
529	36	399-1204-1-ND	68p	Capacitor	C6A, C6B, C6C, C8A, C8B, C8C, C9A, C9B, C9C, C12A, C12B, C12C, C22A, C22B, C22C, C34A, C34B, C34C, C62, C63, C79, C80, C81, C82, C95A, C95B, C103A, C103B, C119, C129, C142, C143, C159, C160, C172, C173
235	16	399-1197-1-ND	22p	Capacitor	C7A, C7B, C7C, C10A, C10B, C10C, C42A, C42B, C42C, C45A, C45B, C45C, C97A, C97B, C109A, C109B
147	10	399-1198-1-ND	27p	Capacitor	C15A, C15B, C15C, C53, C71, C104A, C104B, C108A, C108B, C134
47	3	399-1185-1-ND	4.7p	Capacitor	C30A, C30B, C30C
47	3	399-1195-1-ND	18p	Capacitor	C31A, C31B, C31C
89	6	399-1199-1-ND	33p	Capacitor	C32A, C32B, C32C, C43A, C43B, C43C
47	3	399-1201-1-ND	47p	Capacitor	C33A, C33B, C33C
47	3	478-1483-1-ND	180p	Capacitor	C41A, C41B, C41C
47	3	399-1205-1-ND	100p	Capacitor	C44A, C44B, C44C
147	10	399-3107-1-ND	3.3u	Polarized Capacitor (Surface Mount)	C46A, C46B, C46C, C47A, C47B, C47C, C112A, C112B, C113A, C113B
47	3	PCC1893CT-ND	1u	Capacitor	C50, C115, C152
368	25		open	Capacitor	C54, C56, C60, C61, C65, C68, C69, C72, C106A, C106B, C120, C122, C126, C128, C132, C133, C136, C137, C148, C149, C150, C151, C162, C168, C175
162	11	PCC2326CT-ND	10u	Capacitor	C74, C140, C141, C144, C145, C178, C183, C186, C188, C203, C207
19	1	399-1244-1-ND	33n	Capacitor	C90
19	1	399-1213-1-ND	470p	Capacitor	C114
19	1	478-1484-1-ND	220p	Capacitor	C153
33	2	478-1562-1-ND	330n	Capacitor	C157, C158
279	19	311-0.0ECT-ND	0	Capacitor, Resistor	C164, C165, R31, R37, R39, R42, R46, R51, R74A, R74B, R80, R83, R92, R93, R94, R117, R126, R179, R182
33	2	493-1107-ND	100u	Polarized Capacitor (Axial)	C196, C197
47	3	493-1062-ND	220u	Polarized Capacitor (Axial)	C198, C199, C200
118	8	BAT400DDICT-ND		Single diode in SOT23 package	D1, D2, D5, D6, D7, D8, D9, D10
33	2	BZX84C2V7DICT-ND		single zener in SOT23 package	D3, D4
103	7	P9832CT-ND		EMI filter	E1, E2, E3, E4, E5, E6, E7
588	40	490-1056-1-ND		ferrite bead, 120Ohm at 100MHz, 1206	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34, F35, F36, F37, F38, F39, F40
75	5	97F8565		BNC Elbow Connector	J1, J2A, J3, J4, J5A
33	2	EPG.0B.302.HLN		2-pin LEMO connector	J2B, J5B
19	1	EPG.1B.304.HLN		LEMO RA 4 pin PCB connector	J6
89	6			Header, 2-Pin	JP1, JP2, JP3, JP4, JP5, JP6

61	4	S4310-ND		Header, 10-Pin, Dual row	JP7A, JP7B, JP8A, JP8B
33	2	H5096-ND		DIN 96	P1, P2
368	25	P2.00KFCT-ND	2.00K	Resistor	R1A, R1B, R1C, R2A, R2B, R2C, R4A, R4B, R4C, R11A, R11B, R11C, R12A, R12B, R12C, R27, R28, R30, R67A, R67B, R68A, R68B, R72A, R72B, R116
382	26		open	Resistor	R3A, R3B, R3C, R7A, R7B, R7C, R34, R41, R43, R79, R85, R87, R89, R91, R95, R96, R99, R100, R101, R102, R103, R105, R110, R123, R180, R183
89	6	P1.50KFCT-ND	1.50K	Resistor	R5A, R5B, R5C, R6A, R6B, R6C
47	3	P374FCT-ND	374	Resistor	R8A, R8B, R8C
382	26	P1.00KFCT-ND	1.00K	Resistor	R9A, R9B, R9C, R10A, R10B, R10C, R17A, R17B, R17C, R18A, R18B, R18C, R23A, R23B, R23C, R25A, R25B, R25C, R26A, R26B, R26C, R66A, R66B, R75A, R75B, R127
397	27	P100FCT-ND	100	Resistor	R13A, R13B, R13C, R14A, R14B, R14C, R15A, R15B, R15C, R16A, R16B, R16C, R38, R45, R64A, R64B, R69A, R69B, R82, R86, R104, R106, R114, R122, R172, R178, R181
47	3	P590FCT-ND	590	Resistor	R19A, R19B, R19C
47	3	P261FCT-ND	261	Resistor	R20A, R20B, R20C
47	3	P121FCT-ND	121	Resistor	R21A, R21B, R21C
47	3	P665FCT-ND	665	Resistor	R22A, R22B, R22C
47	3	P187FCT-ND	187	Resistor	R24A, R24B, R24C
103	7	P20.0KFCT-ND	20.0K	Resistor	R29, R78, R107, R169, R170, R174, R175
235	16	P3.32KFCT-ND	3.32K	Resistor	R32, R36, R40, R44, R76A, R76B, R77, R81, R84, R88, R90, R111, R112, R119, R124, R130
33	2	P1.10KFCT-ND	1.10K	Resistor	R33, R177
676	46	P10.0KFCT-ND	10.0K	Resistor	R35, R71A, R71B, R73A, R73B, R120, R121, R129, R132, R135, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R171, R173, R176, R184
61	4	P4.99KFCT-ND	4.99K	Resistor	R47, R49, R131, R134
33	2	P100KFCT-ND	100K	Resistor	R48, R185
19	1	3296W-203-ND	20K	Potentiometer	R50
33	2	P1.21KFCT-ND	1.21K	Resistor	R52, R54
19	1	P121KFCT-ND	121K	Resistor	R53
89	6	P1.58KFCT-ND	1.58K	Resistor	R55, R56, R57, R58, R97, R98
33	2	P3.16KFCT-ND	3.16K	Resistor	R59, R60
33	2	P82.5FCT-ND	82.5	Resistor	R61, R62
19	1	P165FCT-ND	165	Resistor	R63
75	5	P49.9FCT-ND	49.9	Resistor	R65A, R65B, R70A, R70B, R125
19	1	P16.5KFCT-ND	16.5K	Resistor	R108
19	1	P367FCT-ND	367	Resistor	R109
33	2	P48.7KFCT-ND	48.7K	Resistor	R113, R115
19	1	P14.3KFCT-ND	14.3K	Resistor	R118
19	1	P221KFCT-ND	221K	Resistor	R128
33	2	P1.00MFCT-ND	1.00M	Resistor	R133, R136
441	30	5009K-ND		Testpoint	TP1A, TP1B, TP1C, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11A, TP11B, TP12A, TP12B, TP13A, TP13B, TP14A, TP14B, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP33
47	3	5005K-ND		Testpoint	TP24, TP25, TP28
33	2	5007K-ND		Testpoint	TP26, TP27
61	4	5006K-ND		Testpoint	TP29, TP30, TP31, TP32
162	11	MAX333ACWP-ND		Quad Switch	U1A, U1B, U1C, U2A, U2B, U2C, U14, U19, U25A, U25B, U30
809	55	AD829AR-ND		Video Operational Amplifier	U3A, U3B, U3C, U4A, U4B, U4C, U5A, U5B, U5C, U6A, U6B, U6C, U7A, U7B, U7C, U8A, U8B, U8C, U9A, U9B, U9C, U10A, U10B, U10C, U11A, U11B, U11C, U12A, U12B, U12C, U15, U16, U17, U18, U20, U21, U22, U23, U26A, U26B, U27A, U27B, U28A, U28B, U29A, U29B, U31, U32, U33, U35, U36, U37, U38, U39, U40

61	4	74ACT157SC-ND	Quadruple 2-Line to 1-Line Data Selector/Multiplexer	U13A, U13B, U13C, U24
75	5	OP27GS-ND	Low Noise Operational Amplifier	U34, U51, U52, U53, U54
19	1	MAX4648EUT-TCT-ND	Single SPST analog switch, NO	U41
19	1	296-9250-5-ND	Retriggerable Monostable Multivibrator	U42
19	1	LM319AM-ND	High-Speed Dual Comparator	U43
19	1	NJM7815FA-ND	Three-Terminal Positive Voltage Regulator	U44
61	4	296-1129-5-ND	Octal D-Type Transparent Latches with 3-State Outputs	U45, U46, U47, U48
19	1	NJM7915FA-ND	Three-Terminal Negative Voltage Regulator	U49
19	1	NJM7805FA-ND	Three-Terminal Positive Voltage Regulator	U50
19	1	296-14742-1-ND	Octal Buffer/Driver with 3-State Outputs	U55
28	2	294-1067-ND	Heatsink, 12W	
14	1	294-1039-ND	Heatsink, 4W	
84	6	ARFX1063-ND	BNC receptical panel mount	
			VME ejector handles	
1		CT40-5-ND	Heatsink grease	

11734 786

14 Number of boards

61 Unique SMD components

658 Total number of SMD components

15 Unique through-hole components

62 Total number of through-hole components

76 Unique components

720 Total number components (without heatsinks)

Use supplied hardware to mount heatsinks; use heatsink grease between regulator and heatsink.