



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1 C4 C30 C31 C32 C34 C35 C42 C44 C47 C49 C51 C56 C58 C67 C69 C71 C72 C75 C79 C81	21	CAP, TANTALUM CHIP, STD, 10uF, 10V, 10%, 3216	10uF	10%	3216-18	AVX	TAJA106K010R	Yes	Yes
C2 C5 C6 C17 C18 C19 C20 C21 C24 C28 C29 C37 C38 C39 C43 C45 C46 C48 C50 C52 C54 C55 C57 C66 C70 C78	26	CAP, CERAMIC, 100nF, 10V, X5R, 20%, 0201	100nF	20%	0201	Panasonic	ECIZEB1A104M	Yes	Yes
C13 C14 C15	3	CAP, CERAMIC, 1.0uF, 10V, X7R, 10%, 0603	1.0uF	10%	0603	Kemet	C0603C105K8RACTU	Yes	Yes
C59 C60	2	CAP, TANTALUM CHIP, LOW ESR, 10uF, 10V, 10%, 3216	10uF	10%	3216-18	AVX	TPSA106K010R0900	Yes	Yes
D1	1	DIODE, LED, CHIP, GRN, CLEAR LENS, 2.0V, 20mA, SMD, 0603	GRN		0603	Lite-On	L1ST-C190KGT	Yes	Yes
FD1 FD2 FD3 FD5 FD6 FD7	6	FIDUCIAL, GLOBAL, 40 MIL ROUND PAD WITH 120 MIL ROUND SOLDERMASK	FIDUCIAL				FID-GL	Yes	Yes
FD4 FD8	2	FIDUCIAL, SIG, SKIP BLOCK, 80 MIL ROUND PAD WITH 85 MIL ROUND SOLDERMASK	SKIP BLOCK				FID-SB-SIG	Yes	Yes
J1	1	CONN, SOCKET, HIGH SPEED, 2x26, 52 SIG PINS, 0.635MM PITCH, ALGMMNT PINS, 1 GND BUS PIN, LIGHT GOLD PLT'G, RETENTION PINS	CONS2-2x26-1 (QFS)			Samtec	QFS-026-04-25-L-D-A-RT1	Yes	Yes
JP2 JP4 JP5 JP6 JP7 JP8 JP9 JP10 JP11 JP12	10	JUMPER, 1x2, 2 PIN, 2MM PITCH, WITH SHORTING BAR, THRU-HOLE (PART IS EXACTLY LIKE 3M # 951102-8622-AR, WITH SHORTED PINS)	JMPR-2PIN_SHORTED			N/A	JMPR-2PIN-2MM-SHRTD	Yes	Yes
L1 L2	2	IND, FERRITE CHIP, 220 OHM AT 100MHZ, 0.1 OHM DC, 0603	1.4A		0603	Murata	BLM18PG2215N1D	Yes	Yes
MH1 MH2 MH3 MH4	4	SOLE, MOUNTING, PLATED, 200 MIL ROUND PAD WITH 125 MIL HOLE	200RD125P			N/A	MTGHOLE-200RD125P	Yes	Yes
MP3	1	MODULE, SOCKET, ASSY OF 216035-000 AND 216036-000, BGA37 NEO TWO PITCH, W/4 MTG HOLES, 2 ALIGNMENT PEG HOLES -SKT-216035-216036_BGA37NEO	SKT-216035- 216036_BGA37NEO			Antares	SKT-000432-01_BGA84	Yes	Yes
MP2	1	MODULE, TRI-POD ADAPTER, 1.0" LONG x 9.00" WIDE x 3.50" HIGH, W/ 2 MTG HOLES (FOR 86-32 SCREW)	TRIPOD-ADPTR			Aptina Imaging	TRIPOD-ADPTR	Yes	Yes
P5	1	CONN, HEADER, VERTICAL, 2x3, 6 PIN, 2MM PITCH, THRU-HOLE	HDR4-2x3-P			3M	951206-8622-AR	Yes	Yes
P13	1	CONN, HEADER, LOW PROFILE, VERTICAL, 2x4, 8 PIN, 2.0MM PITCH, 20 MIL SQ POSTS, THRU-HOLE	HDR4-2x4-P (TMM)			Samtec	TMM-104-01-G-D	Yes	Yes
P15	1	CONN, HEADER, VERTICAL, 1x3, 3 PIN, 2MM PITCH, THRU-HOLE	HDR3-1x3-P			3M	951103-8622-AR	Yes	Yes
P16	1	CONN, HEADER, VERTICAL, 2x2, 4 PIN, 2MM PITCH, THRU-HOLE	HDR4-2x2-P			3M	951204-8622-AR	Yes	Yes
P19	1	CONN, HEADER, VERTICAL, 1x2, 2 PIN, 100 PITCH, 25 MIL SQ POSTS	HDR2-1x2-P (TSW)			Samtec	TSW-102-07-G-5	Yes	Yes
R2 R4 R5 R21 R22 R23	6	RESISTOR, THICK FILM CHIP, SMD, 10K, 0.063W, 5%, 0402	10K	5%	0402	Panasonic	ERJ2GE1J03X	Yes	Yes
R3 R6	2	RESISTOR, THICK FILM CHIP, SMD, 0 OHM JUMPER, 0.1W, 5%, 0603	0	5%	0603	Panasonic	ERJ3GEY0R00V	Yes	Yes
R7 R8	2	RESISTOR, THICK FILM CHIP, SMD, 1.5K, 0.1W, 5%, 0402	1.5K	5%	0402	Panasonic	ERJ2GEJ152X	Yes	Yes
R9 R18 R19 R24	4	RESISTOR, THICK FILM CHIP, SMD, 0 OHM JUMPER, 0.063W, 5%, 0402	0	5%	0402	Panasonic	ERJ2GE0R00X	Yes	Yes
R10	1	RESISTOR, THICK FILM CHIP, SMD, 560 OHM, 0.063W, 5%, 0402	560	5%	0402	Panasonic	ERJ2GEJ561X	Yes	Yes
R14 R15 R16	3	RESISTOR, THICK FILM CHIP, SMD, 33 OHM, 0.063W, 5%, 0402	33	5%	0402	Panasonic	ERJ2GEJ330X	Yes	Yes
TP8 TP9	2	CONN, TERMINAL, TEST POINT COMPACT, 015 THICK, SMT	TSPT-5016			Keystone Electronics	5016	Yes	Yes
TP10 TP11	2	TEST PAD, 40 MIL ROUND PAD, NO PASTE/MASK, SMT (FOR ELECTRICAL DEBUGGING)	TESTPAD-SMT40RD			N/A	TESTPAD-40	Yes	Yes
U2 U3	2	IC, BUFFER, SINGLE SCHMITT-TRIGGER, SOT23-5	SN74AUC1G17		SOT23-5	Texas Instruments	SN74AUC1G17DBVR	Yes	Yes
U4	1	OSC, CRYSTAL CLOCK, SMD, CMOS, 2.25V TO 3.63V, 4mA, 27.0000MHZ, 2.5MM x 2.0MM	27MHz			Kyocera	KC2520B27.0000C2GE00	Yes	Yes
U6	1	IC, SERIAL EEPROM, 12C, 64Kbit, 2.5V, 3MHZ, SO8	24FC64-1/5N		SO8	Microchip	24FC64-1/5N	Yes	Yes
U8	1	IC, SENSOR, ACTIVE-PIXEL DIGITAL IMAGE, CMOS, 655A DEMO HDBD, AR0261, FBGA37, NEOPACK	AR0261-655A- DEMO_37		FBGA37	Aptina Imaging	AR0261-DEMO_FBGA37	No	Yes
ZTP1 ZTP2 ZTP3	3	TEST PROBE PADS, TWO 30 x 20 MIL PADSTACKS, 44 MIL SPACING (FOR USE WITH THE AGILENT N52426A 12 GHz INFINIMAX ZIF TIP)	TESTPAD-ZIF-TIP			N/A	TESTPAD-ZIF-TIP	Yes	Yes