

# Parts List

## 509900-0010R

ASSY,.65mm DM355 EVM CPU BOARD WITH 16G  
NDR

Type	PL	PCB Package
Revision	D	ION Footprint
Status	U	Package Qty
Date	3/6/2008	Bin Loc.
By		Cost

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package	ION Footprint		Mfr Name	Mfr P/N
1	1 each	509901-2001R	DWG D2	PWB,DM355 EVM CPU BOARD CSTM		
2	1 each	509902-2001	DOC D2	LOGIC,DM355 EVM CPU BOARD SCH		
5	1 each	102766-0001R	PS	IC,BGA337,DSP,216MHz MATL	U18	
		BGA19X19ZCE				
251	12 each	100115-0002R	PL	HEADER,2 X 1,VERTICAL,PIN SUBA	J9, J10, TP1, TP11, TP12, TP13, TP2, TP5, TP6, TP7, TP8, TP9	
		CON2		JUMP1X2-6040		
252	1 each	100115-0003R	PL	HEADER,3 X 1,VERTICAL,PIN SUBA	J1	
		CON3		JUMP1X3-6040		
253	1 each	100115-0004R	PL	HEADER,4 X 1,VERTICAL,PIN SUBA	J35	
		CON4		JUMP1X4-6040		
254	1 each	100115-0013R	PL	HEADER,13 X 1,VERTICAL,PIN SUBA	J31	
		CON13		JUMP1X13-6040		
256	1 each	100116-0004R	PL	HEADER,4 X 2,VERTICAL,PIN SUBA	J13	
		CON4X2		JUMP2X4-6040		
257	2 each	100116-0007R	PL	HEADER,7 X 2,VERTICAL,PIN SUBA	J3, J6	
		CON7X2		JUMP2X7-6040		
258	1 each	100116-0010R	PL	HEADER,10 X 2,VERTICAL,PIN SUBA	J8	
		CON10X2		JUMP2X10-6040		
260	1 each	100116-0013R	PL	HEADER,13 X 2,VERTICAL,PIN SUBA	J30	
		CON13X2				

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		PCB Package	ION Footprint		Mfr Name	Mfr P/N
280	26 each	R0402-NOPOP	PS	NP	R16, R17, R19, R110, R118, R119, R121, R125, R130, R134, R193, R195, R196, R199, R200, R204, R205, R212, R213, R215, R34, R53, R54, R69, R74, R86	
		EIA0402	r402-25			
282	5 each	C0402-NOPOP	PS	NP	C19, C22, C28, C29, C159	
		EIA0402	c402-25			
290	3 each	C0603-NOPOP	PS	NP	C319, C338, C353	
		EIA0603	c603-35x45			
291	1 each	R0603-NOPOP	PS	NP	R89	
		EIA0603	r603-35X45			
292	1 each	R2512-NOPOP	PS	NP	R316	
		EIA2512				
300	27 each	NO-POP	PS	NP	TP10, TP14, TP21, TP22, TP23, TP25, TP26, TP27, TP28, TP29, TP3, TP30, TP31, TP32, TP33, TP34, TP36, TP37, TP38, TP39, TP4, TP40, TP41, TP42, TP43, U25, U26	
		NO-POP				
274	8 each	102239-0001R	PS	BUMPER,ROUND,NON-SLIP, .394 X .118 MATL		
			3M Electronic Products Division		SJ-67A2	
71	2 each	101584-0100R	PS	INDUCTOR,SMT 0805,1uH MATL	L60, L61	
		EIA0805	L805-35x60 Associated Components Technology, Inc.		CI0805-1R0K-R	
8	1 each	100837-0001R	PS	IC,SOIC,SERIAL EEPROM,3 WIRE MATL	U21	
		SO8	Atmel Corporation		AT93C46-10SU-2.7 SL383	
36	1 each	102655-0001R	PS	IC,SO8,SPI SERIAL EEPROM,64K MATL	U65	
		SO8	Atmel Corporation		AT25640AN-10SU-2.7	

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
92	2 each	101953-0331R	PS	CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR MATL	C54, C56	
		EIA1206P		c1206-40x70p	AVX Corporation	TPSA336K006R0600
101	1 each	101583-1102R	PS	CAP,CER,SMT 1812,1000pF,X7R,2KV MATL	C215	
		EIA1812		EIA1812	AVX Corporation	1812GC102KAT1A
121	3 each	100993-6803R	PS	CAP,CER,SMT 0603,680pF,50V,+/-10%,X7R MATL	C220, C225, C86	
		EIA0603		c603-35x45	AVX Corporation	06035C681KAT2A
122	1 each	100993-1563R	PS	CAP,CER,SMT 0603,560pF,50V,+/-10%,X7R MATL	C316	
		EIA0603		c603-35x45	AVX Corporation	06035C561KAT2A
123	2 each	100993-1473R	PS	CAP,CER,SMT 0603,470pF,50V,+/-10%,X7R MATL	C335, C350	
		EIA0603		c603-35x45	AVX Corporation	06035C471KAT2A
125	6 each	100993-3303R	PS	CAP,CER,SMT 0603,330pF,50V,+/-10%,X7R MATL	C219, C221, C223, C224, C85, C87	
		EIA0603		c603-35x45	AVX Corporation	06035C331KAT2A
126	3 each	100993-1332R	PS	CAP,CER,SMT 0603,3300pF,50V,+/-10%,X7R MATL	C317, C336, C351	
		EIA0603		c603-35x45	AVX Corporation	06035C332KAT2A
128	2 each	100993-1273R	PS	CAP,CER,SMT 0603,270pF,50V,+/-10%,X7R MATL	C194, C195	
		EIA0603		c603-35x45	AVX Corporation	06035C271KAT2A
130	3 each	100993-1223R	PS	CAP,CER,SMT 0603,220pF,50V,+/-10%,X7R MATL	C44, C48, C55	
		EIA0603		c603-35x45	AVX Corporation	06035C221KAT2A
135	3 each	100993-1102R	PS	CAP,CER,SMT 0603,.001uF,50V,+/-10%,X7R MATL	C324, C344, C358	
		EIA0603		c603-35x45	AVX Corporation	06035C102KAT2A
137	1 each	100993-1101R	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R MATL	C313	
		EIA0603		c603-35x45	AVX Corporation	06035C103KAT2A
224	1 each	101023-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY MATL	SW5	
		SW7914G		sw4-50x70-7914g	Bourns	7914G-1-000E
225	1 each	101184-0002R	PS	SWITCH,DIP,SMT,HALF-PITCH,2 POS. MATL	SW7	
		SMTDIPSW2A		sw2-30x50-tda	C&K/Unimax, Inc.	TDA02H0SB1R

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Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Mfr Name	Mfr P/N
226	1 each	101184-0004R	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL	SW6	
		SMTDIPSW4A		sw4-30x50-tda	C&K/Unimax, Inc.	TDA04H0SB1R
46	1 each	101590-0143R	PS	CRYSTAL,SMT,6mm,14.31818 MHZ MATL	Y1	
		ABM7		xtal2-75x94	Citizen America Corporation	CS10-14.31818MABJ-UT
47	1 each	101590-0240R	PS	CRYSTAL,SMT,6mm,24 MHZ MATL	Y2	
		ABM7		xtal2-75x94	Citizen America Corporation	CS10-24.000MABJ-UT
48	1 each	101590-0250R	PS	CRYSTAL,SMT,6mm,25 MHZ MATL	Y4	
		ABM7		xtal2-75x94	Citizen America Corporation	CS10-25.000MABJ-UT
49	1 each	101590-0270R	PS	CRYSTAL,SMT,6mm,27 MHZ MATL	Y3	
		ABM7		xtal2-75x94	Citizen America Corporation	CS10-27.000MABJ-UT
50	1 each	101713-0080R	PS	CRYSTAL,SMT,12.5mm,8 MHZ MATL	Y6	
		CM309			Citizen America Corporation	CM309S8.000MABJ-UT
229	1 each	102181-0002R	PS	SWITCH,SMT,SLIDE,2 POLE,GULL WING MATL	SW1	
		CASD20TB			Copal Electronics	CAS-D20TB
40	1 each	100983-0027R	PS	OSC,SMT,27 MHZ MATL	U66	
		CB3LV		OSC4-71X79	CTS Electronics Corporation	CB3LV-3C-27.0000-T
12	1 each	102567-0001R	PS	IC,QFP48,ETHERNET CONTROLLER MATL	U22	
		PQFP48			Davicom	DM9000AEP
62	1 each	101808-0006R	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V MATL	D3	
		SMC		SMC-80X128	Diodes, Inc.	SMCJ6.0A-13-F
236	1 each	102166-0001R	PS	CONN,JACK,RJ45,INTEGRATED MAGNETICS MATL	P5	
		HF11-2450E		conn8-rt-rj45-sh-halo	HALO Electronics, Inc.	HFJ11-2450E-L21RL
241	1 each	101488-0012R	PS	CONN,SMT,RECEPTACLE,12 POS.,.5mm MATL	J12	
		FH12A-12		fh12-12-sh	Hirose Electric, Inc.	FH12A-12S-0.5SH(55)

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
<b>56</b>	<b>1</b> each	<b>101675-0001R</b>	PS	<b>TRANSISTOR,SOT23,MOSFET,HEXFET</b> MATL	Q1	
		SOT23-FET		SOT23-28x44	International Rectifier	IRLML6401TRPBF
<b>90</b>	<b>1</b> each	<b>100995-0471R</b>	PS	<b>CAP,TANT,SMT 2816,47uF,10V</b> MATL	C340	
		EIA2816P		c7343-84x118	Kemet Electronics Corporation	T491D476K010AT
<b>93</b>	<b>15</b> each	<b>101003-0101R</b>	PS	<b>CAP,TANT,SMT 1206,10uF,6.3V</b> MATL	C100, C102, C104, C192, C32, C37, C200, C209, C210, C58, C59, C239, C93, C94, C98	
		EIA1206P		c1206-40x70-POL	Kemet Electronics Corporation	T491A106M006AT
<b>108</b>	<b>4</b> each	<b>101694-0470R</b>	PS	<b>CAP,CER,SMT 1206,4.7uF,16V,X5R</b> MATL	C147, C172, C189, C4	
		EIA1206		C1206-40X70	Kemet Electronics Corporation	C1206C475K4PAC
<b>140</b>	<b>90</b> each	<b>101587-1100R</b>	PS	<b>CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R</b> MATL	C101, C103, C108, C110, C153, C154, C156, C158, C16, C18, C191, C193, C24, C25, C314, C320, C322, C33, C333, C339, C34, C341, C348, C35, C354, C356, C36, C366, C367, C38, C39, C40, C41, C42, C43, C45, C47, C49, C50, C51, C52, C53, C57, C211, C212, C213, C214, C216, C217, C218, C222, C226, C227, C228, C60, C231, C232, C61, C238, C62, C247, C248, C249, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C81, C82, C83, C84, C90, C91, C92, C95, C96, C97, C99	
		EIA0402		c402-25	Kemet Electronics Corporation	C0402C104K8PAC

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
141	70 each	101587-1101R	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C10, C11, C112, C113, C117, C118, C119, C12, C120, C121, C124, C125, C126, C128, C129, C13, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C14, C140, C141, C142, C143, C144, C148, C149, C15, C150, C151, C152, C163, C164, C165, C166, C167, C168, C169, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C190, C197, C198, C2, C20, C21, C3, C6, C7, C8, C9	
		EIA0402		c402-25	Kemet Electronics Corporation	C0402C103K4RAC
142	2 each	102058-1102R	PS	CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R MATL	C155, C157	
		EIA0402		c402-25	Kemet Electronics Corporation	C0402C102K5RAC
265	1 each	100062-0001R	PS	BATTERY HOLDER,.796 IN,1 CELL MATL	BHT1	
		BATT2C1100			Keystone Electronics Corp.	106
240	4 each	101012-0001R	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm MATL	P1, P2, P3, P6	
		ST-3500		st_3500	Kycon, Inc.	STX-3500-4NTR
63	10 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS14, DS15, DS16, DS17, DS18, DS19, DS20, DS21, DS22, DS5	
		EIA1206D		led1206-59x59	LITEON	LTST-C150GKT
85	1 each	100872-0004R	PS	FUSE,SMT,OMNI-BLOK,4A MATL	F1	
		F-SMF-OMNI-BLOK		FUSEFOLDER-OMNI-BL OK	Littlefuse	154004T
273	1 each	101606-0048R	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL	XU3	
		TSOP48SMTSOCKET		skt-tsop48sm	Meritec	980020-48-P2-K
9	1 each	102085-0037R	PS	IC,BGA92,DDR2 SDRAM,1G,3.75nS MATL	U2	
		BGA21X9_92		BGA92-13P8-MICRON	Micron Technology, Inc.	MT47H64M16HR-37E:E

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
37	1 each	102659-0016R	PS	IC,TSOP48,NAND FLASH,16G,3.3V MATL	U3	
		TSOP48			Micron Technology, Inc.	MT29F16G08FAAWC:A
76	12 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L1, L2, L3, L4, L5, L57, L58, L6, L67, L7, L71, L72	
		EIA0805		I805-35x60	Murata Electronics	BLM21PG221SN1D
77	12 each	101126-0001R	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL	L10, L11, L12, L13, L14, L49, L51, L53, L62, L68, L69, L70	
		SMTIND		FB1806-41X70	Murata Electronics	BLM41PG750SN1L
78	6 each	102569-1470R	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL	E1, E2, E3, E4, E5, E6	
		NFM21			Murata Electronics	NFM21PC474R1C3D
100	4 each	101349-0102R	PS	CAP,CER,SMT 2220,100uF,X5R,6.3V MATL	C323, C343, C345, C357	
		EIA2220		C2220-60X230	Murata Electronics	GRM55FR60J107KA01
61	2 each	102170-0001R	PS	DIODE,SMT,SCHOTTKY BARRIER MATL	D1, D2	
		SOT23C			NXP Semiconductors	BAT17 T/R
72	3 each	101348-0270R	PS	INDUCTOR,SMT,2.7uH MATL	L19, L50, L54	
		ELL6		IND-ELL6	Panasonic	ELL-6RH2R7M
120	2 each	100993-1822R	PS	CAP,CER,SMT 0603,8200pF,50V,+/-10%,X7R MATL	C332, C347	
		EIA0603		c603-35x45	Panasonic	ECJ-1VB1H822K
124	2 each	101637-1334R	PS	CAP,CER,SMT 0603,33pF,100V,+/-5%,NPO MATL	C88, C89	
		EIA0603			Panasonic	ECJ-1VC2A330J
127	4 each	101103-1274R	PS	CAP,CER,SMT 0603,27pF,50V,+/-5%,NPO MATL	C234, C235, C236, C237	
		EIA0603		c603-35x45	Panasonic	ECJ-1VC1H270J
129	2 each	101002-1224R	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO MATL	C230, C233	
		EIA0603		c603-35x45	Panasonic	ECJ-1VC1H220J
131	22 each	101007-0100R	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL	C111, C115, C116, C122, C123, C145, C160, C170, C188, C368, C46, C199, C205, C206, C207, C208, C618, C242, C243, C244, C245, C246	
		EIA0603		c603-35x45	Panasonic	ECJ-1VB0J105K

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
132	4 each	101001-1104R	PS	<b>CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO</b> MATL	C201, C202, C203, C204	
		EIA0603		c603-35x45	Panasonic	ECJ-1VC1H100D
133	3 each	100994-1471R	PS	<b>CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R</b> MATL	C318, C337, C352	
		EIA0603		c603-35x45	Panasonic	ECJ-1VB1C473K
134	3 each	100994-1391R	PS	<b>CAP,CER,SMT 0603,.039uF,16V,+/-10%,X7R</b> MATL	C315, C334, C349	
		EIA0603		c603-35x45	Panasonic	ECJ-1VB1C393K
136	2 each	101103-1184R	PS	<b>CAP,CER,SMT 0603,18pF,50V,+/-5%,NPO</b> MATL	C23, C26	
		EIA0603		c603-35x45	Panasonic	ECJ-1VC1H180J
149	13 each	101327-3300R	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,33</b> MATL	RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN17, RN18, RN19, RN22, RN23, RN32	
		EXB-28VS		rpak8-10x25-28v	Panasonic	EXB-28V330JX
150	1 each	101327-1003R	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,10K</b> MATL	RN27	
		EXB-28VS		rpak8-10x25-28v	Panasonic	EXB-28V103JX
151	1 each	101327-1002R	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,1K</b> MATL	RN26	
		EXB-28VS		rpak8-10x25-28v	Panasonic	EXB-28V102JX
152	8 each	101069-3300R	PS	<b>RES,NETWORK,SMT,16 PIN,8 RES,33</b> MATL	RN20, RN21, RN24, RN25, RN30, RN31, RN5, RN9	
		EXB-2HVS		rpak16-10x25-2hv	Panasonic	EXB-2HV330JV
153	1 each	101069-1003R	PS	<b>RES,NETWORK,SMT,16 PIN,8 RES,10K</b> MATL	RN29	
		EXB-2HVS		rpak16-10x25-2hv	Panasonic	EXB-2HV103JV
165	7 each	101370-2003R	PS	<b>RES,SMT 0402,20K,5%,1/16 WATT</b> MATL	R149, R150, R50, R51, R57, R61, R66	
		EIA0402		r402-25	Panasonic	ERJ-2GEJ203X
185	1 each	100687-1001R	PS	<b>RES,SMT 0603,100 OHM,5%,1/16 WATT</b> MATL	R83	
		EIA0603		r603-35X45	Panasonic	ERJ-3GEYJ101V
186	3 each	100687-2202R	PS	<b>RES,SMT 0603,2.2K OHM,5%,1/16 WATT</b> MATL	R115, R135, R78	
		EIA0603		r603-35X45	Panasonic	ERJ-3GEYJ222V
187	1 each	100687-2201R	PS	<b>RES,SMT 0603,220 OHM,5%,1/16 WATT</b> MATL	R299	
		EIA0603		r603-35X45	Panasonic	ERJ-3GEYJ221V

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188	11 each	100687-3301R	PS	RES,SMT 0603,330 OHM,5%,1/16 WATT MATL	R166, R167, R168, R169, R170, R171, R172, R173, R225, R44, R48	
		EIA0603	r603-35X45		Panasonic	ERJ-3GEYJ331V
189	16 each	100687-5103R	PS	RES,SMT 0603,51K OHM,5%,1/16 WATT MATL	R108, R109, R117, R120, R122, R123, R124, R126, R127, R128, R129, R131, R132, R133, R153, R154	
		EIA0603	r603-35X45		Panasonic	ERJ-3GEYJ513V
195	1 each	100642-1072R	PS	RES,SMT 0603,1.07K OHM,1%,1/16 WATT MATL	R147	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1071V
196	1 each	100642-1652R	PS	RES,SMT 0603,1.65K OHM,1%,1/16 WATT MATL	R276	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1651V
197	1 each	100642-1023R	PS	RES,SMT 0603,10.2K OHM,1%,1/16 WATT MATL	R300	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1022V
198	3 each	100642-1071R	PS	RES,SMT 0603,107 OHM,1%,1/16 WATT MATL	R277, R296, R303	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1070V
199	3 each	100642-1003R	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT MATL	R279, R297, R305	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1002V
200	1 each	100642-1002R	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT MATL	R67	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1001V
201	1 each	100642-2552R	PS	RES,SMT 0603,2.55K OHM,1%,1/16 WATT MATL	R68	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF2551V
203	1 each	100642-3742R	PS	RES,SMT 0603,3.74K OHM,1%,1/16 WATT MATL	R291	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF3741V
204	1 each	100642-1694R	PS	RES,SMT 0603,169K OHM,1%,1/16 WATT MATL	R179	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF1693V
205	4 each	100642-4990R	PS	RES,SMT 0603,49.9 OHM,1%,1/10 WATT MATL	R182, R183, R184, R185	
		EIA0603	r603-35x45		Panasonic	ERJ-3EKF49R9V

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
206	4 each	100642-5602R EIA0603	PS	RES,SMT 0603,5.6K OHM,1%,1/16 WATT MATL r603-35x45	R40, R41, R42, R43	Panasonic ERJ-3EKF5601V
207	1 each	100642-2213R EIA0603	PS	RES,SMT 0603,22.1K OHM,1%,1/16 WATT MATL r603-35x45	R274	Panasonic ERJ-3EKF2212V
208	1 each	100642-6812R EIA0603	PS	RES,SMT 0603,6.81K OHM,1%,1/16 WATT MATL r603-35x45	R202	Panasonic ERJ-3EKF6811V
209	3 each	100642-7153R EIA0603	PS	RES,SMT 0603,71.5K OHM,1%,1/16 WATT MATL r603-35x45	R275, R294, R301	Panasonic ERJ-3EKF7152V
210	3 each	100642-7500R EIA0603	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT MATL r603-35x45	R186, R187, R80	Panasonic ERJ-3EKF75R0V
213	1 each	100642-3484R EIA0603	PS	RES,SMT 0603,348K OHM,1%,1/16 WATT MATL r603-35x45	R178	Panasonic ERJ-3EKF3483V
228	5 each	101215-0001R 101215	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL SW-40X126-EVQP1	SW10, SW11, SW12, SW13, SW14	Panasonic EVQP105M
235	1 each	100558-0009R DB9MR-1225X475	PS	CONN,DB9,MALE,RIGHT ANGLE,.318 MATL CONN9D-6547-RT-M	P4	PI Manufacturing Corp. 2100-009P
91	1 each	102359-0680R EIA1206P	PS	CAP,TANT,SMT 1206,6.8uF,10V,+/-20% MATL C1206-40X70	C240	Rohm Corporation TCA1A685M8R
242	1 each	101956-0001R 440247	PS	CONN,SMT,RECEPTACLE,5 POS,RIGHT MATL samtec-MUSB	J5	Samtec, Inc. MUSB-05-S-AB-SM-A-R-K-TR
244	1 each	100562-0015R SMTCON15X2A	PS	CONN,SMT,VERTICAL,RECEPTACLE,15X2 MATL CONN2X15-29X110-SFM	DC3	Samtec, Inc. SFM-115-02-S-D-LC
245	1 each	100562-0025R SMTCON25X2A	PS	CONN,SMT,VERTICAL,RECEPTACLE,25X2 MATL conn2x25-29x110-sfm	DC5	Samtec, Inc. SFM-125-02-S-D-LC
246	1 each	100562-0005R SMTCON5X2A	PS	CONN,SMT,VERTICAL,RECEPTACLE,5X2 MATL conn2x5-amp104652	DC6	Samtec, Inc. SFM-105-02-S-D-A-K-TR

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
247	1 each	100562-0010R	PS	CONN,SMT,VERTICAL,RECEPTACLE,10X2 MATL	DC7	
		SMTCON10X2A		conn2x10-29x110-sfm	Samtec, Inc.	SFM-110-02-S-D-LC
95	4 each	101347-0102R	PS	CAP,POSCAP,SMT 2816,100uF MATL	C325, C346, C359, C229	
		EIA2816P		c7343-84x118	Sanyo Electronic Components Co. Ltd.	6TPC100M
45	1 each	101940-0032R	PS	CRYSTAL,SMT,32.768kHz MATL	Y5	
		SSP-T6		xtal3-ssp-t6	Seiko Instruments USA, Inc.	SSP-T6
238	2 each	100616-0001R	PS	CONN,RCA,RIGHT ANGLE,RL844,BLACK MATL	J2, J4	
		RCA844		rca844	Shogyo International Corp.	SJ-0844
75	3 each	101979-0030R	PS	FERRITE BEAD,SMT 0603,30 OHMS MATL	L17, L18, L20	
		EIA0603		l603-35x45	Steward	MI0603K300R-10
69	1 each	101592-0731R	PS	INDUCTOR,SMT,7.3uH MATL	L15	
		CDRH6		cdrh6	Sumida Electric Co., Ltd.	CDRH6D28NP-7R3NC
212	1 each	101693-4990R	PS	RES,SMT 0603,49.9 OHM,.5%,1/16 WATT MATL	R2	
		EIA0603		r603-35X45	Susumu Co., Ltd.	RR0816Q-49R9-D-68R
215	10 each	102598-0002R	PS	RES,SMT 1206,.02 OHM,2%,1/2 WATT MATL	R1, R146, R27, R28, R30, R31, R32, R33, R36, R5	
		EIA1206			Susumu Co., Ltd.	RL1632T-R020-G
239	1 each	101238-0001R	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL	J16	
		RASM712		PWR3-RASM712	Switchcraft	RASM712TRP15X
105	3 each	101062-0101R	PS	CAP,CER,SMT 1210,10uF,16V MATL	C321, C342, C355	
		EIA1210		C1210-70X102	Taiyo Yuden	EMK325F106ZF-T
109	8 each	101866-0220R	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL	C1, C127, C146, C17, C171, C187, C196, C5	
		EIA1206			Taiyo Yuden	EMK316BJ225KL-T
70	6 each	101919-0270R	PS	INDUCTOR,SMT 0603,2.7uH,+/-10% MATL	L63, L64, L65, L66, L8, L9	
		EIA0603		L603-35x45	TDK Corporation	MLF1608A2R7K
7	1 each	102571-0001R	PS	IC,QFP64,MIXED SIGNAL MICROCONTROLLER MATL	U15	
		PQFP64PM			Texas Instruments	MSP430F155IPM

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10	1 each	101916-0001R	PS	IC,PQFP80,VIDEO DECODER,4 X 10 BIT MATL	U9	
		PQFP80-PFP			Texas Instruments	TVP5146PFPG4
13	2 each	102179-0001R	PS	IC,TSSOP56,74CBTLV16292,12-BIT MATL	U53, U54	
		TSSOP56			Texas Instruments	74CBTLV16292GRE4
15	1 each	102158-0001R	PS	IC,uBGA,STEREO AUDIO CODEC,LOW POWER MATL	U8	
		BGA9X9ZQE			Texas Instruments	TLV320AIC33IZQER
16	2 each	102660-0001R	PS	IC,DBV6,LOW-POWER CONFIGURABLE MATL	U4, U5	
		DBV6		dbv6-27x39-6	Texas Instruments	SN74AUP1G97DBVR
20	1 each	100810-0001R	PS	IC,SOIC,VOLTAGE REGULATOR,TPS7301 MATL	U20	
		SO8		so8-25x75	Texas Instruments	TPS7301QDRG4
23	1 each	101691-0001R	PS	IC,TSSOP16,RS-232 DRIVER/RECEIVER MATL	U34	
		TSSOP16		pw16-14x70	Texas Instruments	MAX3221CPWRG4
25	3 each	101338-0001R	PS	IC,TSSOP20,BUCK PWM MATL	U55, U59, U60	
		PSOP20T		PWP20-14X70-PAD	Texas Instruments	TPS54310PWPRG4
32	2 each	101057-0008R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE AND GATE MATL	U19, U23	
		DCK5		dck-5	Texas Instruments	SN74LVC1G08DCKRG4
34	1 each	102656-0001R	PS	IC,SMT,SYNCHRONOUS BOOST CONVERTER MATL	U24	
		QFN16P			Texas Instruments	TPS61092RSA
35	1 each	101670-0001R	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1 MATL	U1	
		TSSOP16		tssop16-14x70	Texas Instruments	74CBTLV3257PWPRG4
237	1 each	100677-0004R	PS	CONN,MINI-DIN,FEMALE,4 POS. MATL	J11	
		749181-1		749181_1	Tyco Electronics	5749181-1
54	1 each	102171-0001R	PS	INFRARED RECEIVER,THRU-HOLE,40kHz MATL	U10	
		TSOP34840			Vishay Intertechnology	TSOP34840
73	1 each	102222-0330R	PS	INDUCTOR,SMT,HIGH CURRENT,3.3uH,LOW MATL	L52	
		IHLP2525CZ			Vishay Intertechnology	IHLP2525CZER3R3M01

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		PCB Package		ION Footprint	Mfr Name	Mfr P/N
89	2 each	101608-0102R	PS	CAP,TANT,SMT 2816,100uF,10V MATL	C241, C627	
		EIA2816P			Vishay Intertechnology	593D107X9010D2TE3
220	3 each	100830-0025R	PS	RES,SMT 2512,.025 OHM,1%,1W MATL	R280, R298, R306	
		EIA2512		R2512	Vishay Intertechnology	WSL2512R0250FEA
159	34 each	101370-0001R	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL	R100, R101, R103, R106, R107, R136, R137, R155, R156, R157, R158, R159, R174, R175, R176, R177, R194, R224, R226, R227, R3, R314, R349, R35, R393, R439, R45, R46, R8, R81, R90, R99, R114, R440	
		EIA0402		r402-25	Yageo	RC0402JR-070RL
160	4 each	101370-1001R	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL	R207, R208, R92, R93	
		EIA0402		r402-25	Yageo	RC0402JR-07100RL
161	7 each	101370-1000R	PS	RES,SMT 0402,10 OHM,5%,1/16 WATT MATL	R56, R58, R59, R60, R62, R64, R65	
		EIA0402		r402-25	Yageo	RC0402JR-0710RL
162	3 each	101370-1004R	PS	RES,SMT 0402,100K,5%,1/16 WATT MATL	R188, R79, R85	
		EIA0402		r402-25	Yageo	RC0402JR-07100KL
163	50 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R10, R102, R11, R111, R112, R113, R12, R13, R161, R162, R163, R164, R165, R151, R190, R191, R152, R192, R201, R203, R214, R216, R219, R220, R221, R222, R223, R21, R278, R295, R304, R309, R310, R345, R4, R49, R52, R55, R228, R63, R82, R87, R88, R9, R94, R95, R97, R98, R229, R230	
		EIA0402		r402-25	Yageo	RC0402JR-0710KL
164	3 each	101370-2202R	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL	R104, R105, R39	
		EIA0402		r402-25	Yageo	RC0402JR-072K2L
166	4 each	101370-2200R	PS	RES,SMT 0402,22 OHM,5%,1/16 WATT MATL	R160, R75, R76, R77	
		EIA0402		r402-25	Yageo	RC0402JR-0722RL

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167	11 each	101370-3300R	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL	R20, R22, R23, R24, R25, R29, R346, R37, R38, R91, R96 RC0402JR-0733RL
		EIA0402		r402-25      Yageo	
168	5 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R180, R181, R217, R218, R347 RC0402JR-07360RL
		EIA0402		r402-25      Yageo	
169	3 each	101370-4702R	PS	RES,SMT 0402,4.7K OHM,5%,1/16 WATT MATL	R197, R71, R72 RC0402JR-074K7L
		EIA0402		r402-25      Yageo	
171	6 each	101370-4703R	PS	RES,SMT 0402,47K OHM,5%,1/16 WATT MATL	R372, R373, R374, R375, R47, R84 RC0402JR-0747KL
		EIA0402		r402-25      Yageo	
180	10 each	102145-1002R	PS	RES,SMT 0402,1K,1%,1/16 WATT MATL	R14, R15, R198, R206, R209, R210, R211, R18, R6, R7 RC0402FR-071KL
		EIA0402		r402-25      Yageo	
181	1 each	102145-1003R	PS	RES,SMT 0402,10K,1%,1/16 WATT MATL	R189 RC0402FR-0710KL
		EIA0402		r402-25      Yageo	
202	5 each	100642-2002R	PS	RES,SMT 0603,2K OHM,1%,1/16 WATT MATL	R26, R293, R302, R70, R73 RC0603FR-072KL
		EIA0603		r603-35x45      Yageo	
243	2 each	101014-0001R	PS	CONN,SMT,RECEPTACLE,SECURE MATL	J27, J28 FPS009Z-2203-10
		YAM-FPS009-2203		yam_fps0      Yamaichi Electronics, Inc.	
55	2 each	100680-0001R	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL,BSS1 MATL	Q3, Q4 BSS138TA
		SOT23-FET		SOT23-28X44-GSD      Zetex, Inc.	