

# Parts List

## 510840-0001R

ASSY,DM365 EVM  
SUBA

Type	PL	PCB Package	
Revision	C	ION Footprint	
Status	U	Package Qty	1
Date	2/21/2008	Bin Loc.	*
By		Product Class	SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint	Stock	Mfr Name	Mfr P/N
1	1 each	510841-0001R	DWG C	PWB,DM365 EVM CSTM 526	
2	1 each	510842-0001	DOC C	LOGIC,DM365 EVM SCH -404	
4	1 each	102942-0002R	PS	IC,BGA337,.65mm,DIGITAL MEDIA MATL 458 Texas Instruments	U18 TMX320DM365AZCE
5	1 each	102445-0005R	PS	IC,BGA256,FPGA,2210 GATES,MAX II,1.8V MATL bga256-18rd 731 Altera Corporation	U33 EPM2210GF256C5N
6	1 each	102235-0001R	PS	IC,SO8,SERIAL EEPROM,256K-BIT MATL Replaced 101025-0001R. Backwards compatible. so8-25x75-295 8638 Catalyst Semiconductor, Inc.	U29 CAT24C256WI-G
7	1 each	102655-0001R	PS	IC,SO8,SPI SERIAL EEPROM,64K,2.7V MATL so8-25x75 3587 Atmel Corporation	U16 AT25640AN-10SU-2.7 SL383
10	1 each	102727-0001R	PS	IC,BGA63,ONE NAND FLASH MEMORY,1G MATL bga_6x8_8mm_flash 750 Samsung	U27 KFG1G16U2B-DIB6000
11	1 each	102085-0030R	PS	IC,BGA92,DDR2 SDRAM,1G,3nS MATL BGA92-13P8-MICRON 1698 Micron Technology, Inc.	U19 MT47H64M16HR-3:E
12	1 each	102512-0001R	PS	IC,PQFP100,TRIPLE 8/10-BIT,VIDEO AND MATL pzp100-12x70-slug 435 Texas Instruments	U20 TVP7002PZP
15	1 each	101916-0001R	PS	IC,PQFP80,VIDEO DECODER,4 X 10 BIT MATL pfp80-11x70 1112 Texas Instruments	U24 TVP5146PFP4
16	1 each	102774-0001R	PS	IC,QFN48,DC-DC CONVERTER MATL rsl48-8x33 837 Texas Instruments	U14 TPS65530ARSLT

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		ION Footprint	Stock	Mfr Name	Mfr P/N
17	1 each	102322-0001R	PS	IC,QFP48,PHYSICAL LAYER TRANSCEIVER MATL	U5
		lqfp48-12x60	817	Micrel Incorporated	KSZ8001L
20	1 each	102659-0016R	PS	IC,TSOP48,NAND FLASH,16G,3.3V MATL	U28
			1377	Micron Technology, Inc.	MT29F16G08FAAWC:A
21	2 each	102513-0001R	PS	IC,TSSOP56,74CBT16214,12-BIT MATL	U17, U21
		dgg56-12x80	5273	Texas Instruments	74CBT16214CDGGRE4
22	2 each	102693-0001R	PS	IC,TSSOP56,74CBTLV16212,LOW VOLTAGE, MATL	U10, U37
		dgg56-12x80	3828	Texas Instruments	SN74CBTLV16212GR
25	1 each	102486-0001R	PS	IC,TSSOP24,8-BIT DUAL SUPPLY BUS MATL	U13
		pw24-14x70	1816	Texas Instruments	SN74AVC8T245PWRE4
26	1 each	102570-0001R	PS	IC,TSSOP20,3-CHANNEL LOW POWER VIDEO MATL	U23
		pw20-14x70	1050	Texas Instruments	THS7303PWR
27	1 each	102541-0001R	PS	IC,TSSOP20,3-CHANNEL LOW POWER VIDEO MATL	U15
		pw20-14x70	2622	Texas Instruments	THS7353PW
28	1 each	101691-0001R	PS	IC,TSSOP16,RS-232 DRIVER/RECEIVER MATL	U3
		pw16-14x70	3690	Texas Instruments	MAX3221CPWRG4
29	1 each	102781-0001R	PS	IC,TSSOP14,MIXED SIGNAL MATL	U2
		pw14-12x70	2268	Texas Instruments	MSP430F2013IPWR
30	2 each	101249-0001R	PS	IC,SSOP28,DUAL LOW-DROPOUT VOLTAGE MATL	U30, U42
		PWP28-14X70	2455	Texas Instruments	TPS767D301PWPRG4
35	1 each	102810-0001R	PS	IC,SO8,POWER DISTRIBUTION MATL	U4
		so8-25x75	3389	Texas Instruments	TPS2065DR
36	1 each	101057-0007R	PS	IC,SO5,SINGLE BUFFER/DRIVER MATL	U39
		dck-5	1216	Texas Instruments	SN74LVC1G07DCKRG4
37	3 each	102752-0001R	PS	IC,SMT,LINEAR REGULATOR,500mA MATL	U22, U31, U41
		drc10-11x33	5874	Texas Instruments	TPS74701DRCR

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38	1 each	102784-0001R drc10-11x33	PS	IC,SMT,BOOST CONVERTER MATL 891 Texas Instruments	U34 TPS61080DRCT
39	6 each	101670-0001R tssop16-14x70	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1 MATL 7233 Texas Instruments	U11, U12, U25, U26, U38, U40 74CBTLV3257PWRG4
40	1 each	102780-0001R QFN32_202SQ	PS	IC,QFN32,LOW POWER STEREO AUDIO CODEC MATL 596 Texas Instruments	U7 TLV320AIC3101IRHBT
41	1 each	102783-0001R rgt16-12x34	PS	IC,QFN16,BATTERY BACKUP IC MATL 646 Texas Instruments	U9 TPS65510RGT
42	1 each	101722-0001R dbv6-27x39-6	PS	IC,DBV6,LINEAR REGULATOR,ADJUSTABLE MATL 4358 Texas Instruments	U36 TPS79301DBVRG4
43	1 each	102020-0009R DBV6-27X39-6	PS	IC,DBV6,SUPERVISORY CIRCUIT,.9V MATL 4076 Texas Instruments	U50 TPS3808G09DBVRG4
44	1 each	101647-0001R dbv-20x60-5	PS	IC,SO5,REGULATOR,SHUNT,LOW-VOLTAGE,ADJ MATL 1046 Texas Instruments	U114 TLV431ACDBVRG4
45	1 each	102171-0001R tsop34840-6545	PS	INFRARED RECEIVER,THRU-HOLE,40kHz MATL 2709 Vishay Intertechnology	U1 TSOP34840
55	1 each	100983-0012R OSC4-71X79	PS	OSC,SMT,12 MHZ MATL 1539 CTS Electronics Corporation	U35 CB3LV-3C-12.0000-T
56	1 each	100983-0025R OSC4-71X79	PS	OSC,SMT,25 MHZ MATL 3053 CTS Electronics Corporation	U6 CB3LV-3C-25.0000-T
57	1 each	100983-0027R OSC4-71X79	PS	OSC,SMT,27 MHZ MATL 852 CTS Electronics Corporation	U8 CB3LV-3C-27.0000-T
58	2 each	102883-0032R xtal4-23x47-ssp-t7	PS	CRYSTAL,SMT,32.768kHz MATL 2279 Seiko Instruments USA, Inc.	Y2, Y4 SSPT7F-12.5PF20PPM

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59	1 each	101590-0143R xtal2-75x94	PS	CRYSTAL,SMT,6mm,14.31818 MHZ MATL 1082 Citizen America Corporation	Y3 CS10-14.31818MABJ-UT
60	1 each	101590-0240R xtal2-75x94	PS	CRYSTAL,SMT,6mm,24 MHZ MATL 1245 Citizen America Corporation	Y1 CS10-24.000MABJ-UT
65	1 each	101787-0001R DBV6-27X39-6	PS	TRANSISTOR,SMT,DUAL LOAD SWITCH MATL 4151 Fairchild Semiconductor	U32 FDC6331L
66	1 each	102789-0001R vec8-12x45	PS	TRANSISTOR,SOIC,DUAL MOSFET,N AND P MATL 2595 Sanyo Electronic Components Co. Ltd.	Q1 VEC2611
67	5 each	100680-0001R SOT23-28X44-GSD	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL,BSS1 MATL All ZETEX Pb-free product boxes and reels will have a green "Pb-free plating" label attached. 10742 Zetex, Inc.	Q10, Q2, Q7, Q8, Q9 BSS138TA
68	3 each	102788-0001R sc70-3m	PS	TRANSISTOR,SC-70,NPN,100mA MATL 4788 Rohm Corporation	Q4, Q5, Q6 DTC114EUAT106
70	1 each	101808-0006R SMC-80X128	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V MATL 3697 Diodes, Inc.	D1 SMCJ6.0A-13-F
71	5 each	102220-0001R sod123-36x48	PS	DIODE,SOD-123,SCHOTTKY POWER,,5A MATL 3980 Motorola, Inc.	D2, D3, D4, D5, D8 MBR0530T1G
72	1 each	100695-0002R SOT23-28X44	PS	DIODE,SOT23,REFERENCE,4.1V MATL 6426 National Semiconductor	D6 LM4040CIM3X-4.1/NOPB
75	9 each	100823-0001R led1206-59x59	PS	LED,SMT 1206,GREEN MATL 18370 LITEON	DS1, DS2, DS3, DS4, DS5, DS6, DS7, DS8, DS9 LTST-C150GKT
80	7 each	101919-0270R L603-35x45	PS	INDUCTOR,SMT 0603,2.7uH,+/-10% MATL 12516 TDK Corporation	L31, L69, L70, L72, L75, L76, L77 MLF1608A2R7K
81	2 each	101584-0100R L805-35x60	PS	INDUCTOR,SMT 0805,1uH MATL 5579 Associated Components Technology, Inc.	L2, L3 CI0805-1R0K-R

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82	3 each	102867-0151R  ind_sds680	PS	INDUCTOR,SMT,15uH,SHIELDED MATL 2788	L10, L12, L17  API Delevan SDS680R-153M
84	1 each	102867-0330R  ind_sds680	PS	INDUCTOR,SMT,3.3uH,SHIELDED MATL 1596	L18  API Delevan SDS680R-332M
85	1 each	102869-0470R  ind2-35x51	PS	INDUCTOR,SMT,4.7uH MATL 1606	L13  TDK Corporation VLF3012AT-4R7MR74
86	5 each	102867-0470R  ind_sds680	PS	INDUCTOR,SMT,4.7uH,SHIELDED MATL 2159	L11, L15, L19, L35, L8  API Delevan SDS680R-472M
90	1 each	102785-0001R  mic-md9745apz-f	PS	MICROPHONE,CYLINDRICAL,.38 DIA. MATL 701	M1  Knowles Electronics, Inc. MD9745APZ-F
95	6 each	101858-1201R  l603-35x45	PS	FERRITE BEAD,SMT 0603,120 OHM MATL 6862	L22, L27, L43, L58, L59, L73  Murata Electronics BLM18AG121SN1D
96	23 each	101228-2201R  l805-35x60	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL 46475	L1, L20, L21, L23, L24, L38, L39, L4, L40, L41, L42, L44, L45, L46, L47, L49, L5, L50, L52, L55, L6, L80, L9  Murata Electronics BLM21PG221SN1D
97	40 each	101126-0001R  FB1806-41X70	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL 52827	L14, L16, L25, L26, L28, L29, L30, L32, L33, L34, L36, L37, L48, L51, L53, L54, L56, L57, L60, L61, L62, L63, L64, L65, L66, L67, L68, L7, L71, L74, L78, L79, L81, L83, L84, L85, L86, L88, L91, L92  Murata Electronics BLM41PG750SN1L
98	10 each	102569-1470R  emi-NFM21p	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL 8043	E1, E10, E2, E3, E4, E5, E6, E7, E8, E9  Murata Electronics NFM21PC474R1C3D
100	1 each	100872-0004R  FUSEFOLDER-OMNI-BLOK	PS	FUSE,SMT,OMNI-BLOK,4A MATL 2091	F1  Littlefuse 154004T
110	1 each	100995-0471R  c7343-84x118	PS	CAP,TANT,SMT 2816,47uF,10V MATL 4395	C15  Kemet Electronics Corporation T491D476K010AT

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		ION Footprint	Stock	Mfr Name	Mfr P/N
111	1 each	101608-0102R	PS	CAP,TANT,SMT 2816,100uF,10V MATL	C2
		c7343-84x118	2379	Vishay Intertechnology	593D107X9010D2TE3
112	3 each	101893-0332R	PS	CAP,TANT,SMT 2816,330uF,6.3V,20% MATL	C108, C112, C115
		c7343-84x118	3579	AVX Corporation	TPSE337M006R0100
115	4 each	100044-0330R	PS	CAP,TANT,SMT 1311,3.3uF,16V MATL	C178, C75, C85, C90
		c3528-64x112	4229	Nichicon Corporation	F971C335MBA
116	1 each	101824-0102R	PS	CAP,TANT,SMT 1311,100uF,6V MATL	C107
		c3528-64x112	3718	Kemet Electronics Corporation	T491B107M006AT
119	1 each	102359-0680R	PS	CAP,TANT,SMT 1206,6.8uF,10V,+/-20% MATL	C5
		c1206-40x70p	3731	Rohm Corporation	TCA1A685M8R
120	7 each	101953-0331R	PS	CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR MATL	C158, C163, C49, C59, C88, C89, C29
		c1206-40x70p	16825	AVX Corporation	TPSA336K006R0600
121	23 each	101003-0101R	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C1, C104, C110, C114, C121, C13, C136, C14, C142, C152, C259, C27, C278, C308, C311, C425, C6, C62, C68, C78, C79, C80, C81
		c1206-40x70-POL	46048	Kemet Electronics Corporation	T491A106M006AT
125	1 each	101583-1102R	PS	CAP,CER,SMT 1812,1000pF,X7R,2KV MATL	C3
		EIA1812	4099	AVX Corporation	1812GC102KAT1A
126	2 each	101497-0471R	PS	CAP,CER,SMT 1206,47uF,6.3V MATL	C45, C58
		C1206-40X70	3192	Taiyo Yuden	JMK316BJ476ML-T
127	11 each	101694-0470R	PS	CAP,CER,SMT 1206,4.7uF,16V,X5R MATL	C10, C11, C12, C18, C20, C230, C28, C31, C86, C87, C96
		C1206-40X70	13072	Kemet Electronics Corporation	C1206C475K4PAC
128	12 each	101064-0221R	PS	CAP,CER,SMT 1206,22uF,10V MATL	C162, C217, C22, C23, C30, C35, C39, C41, C43, C50, C57, C98
		C1206-40X70	10317	Taiyo Yuden	LMK316F226ZL-T

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129	15 each	101497-0101R	PS	CAP,CER,SMT 1206,10uF,6.3V MATL	C100, C105, C106, C155, C159, C279, C37, C420, C421, C428, C429, C430, C431, C83, C99
		C1206-40X70	11758	Taiyo Yuden	JMK316BJ106ML
135	3 each	100993-6803R	PS	CAP,CER,SMT 0603,680pF,50V,+/-10%,X7R MATL	C312, C341, C363
		c603-35x45	5133	AVX Corporation	06035C681KAT2A
136	1 each	100993-1472R	PS	CAP,CER,SMT 0603,4700pF,50V,+/-10%,X7R MATL	C72
		c603-35x45	7055	AVX Corporation	06035C472KAT2A
137	3 each	101637-1334R	PS	CAP,CER,SMT 0603,33pF,100V,+/-5%,NPO MATL	C111, C367, C368
		c603-35x45	4489	Panasonic	ECJ-1VC2A330J
140	6 each	100993-3303R	PS	CAP,CER,SMT 0603,330pF,50V,+/-10%,X7R MATL	C316, C317, C337, C351, C354, C370
		c603-35x45	6100	AVX Corporation	06035C331KAT2A
141	5 each	101103-1274R	PS	CAP,CER,SMT 0603,27pF,50V,+/-5%,NPO MATL	C32, C352, C353, C52, C53
		c603-35x45	7960	Panasonic	ECJ-1VC1H270J
142	2 each	100993-1273R	PS	CAP,CER,SMT 0603,270pF,50V,+/-10%,X7R MATL	C101, C102
		c603-35x45	6459	AVX Corporation	06035C271KAT2A
145	1 each	101002-1224R	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO MATL	C175
		c603-35x45	5952	Panasonic	ECJ-1VC1H220J
146	3 each	100993-1223R	PS	CAP,CER,SMT 0603,220pF,50V,+/-10%,X7R MATL	C122, C128, C137
		c603-35x45	5114	AVX Corporation	06035C221KAT2A
147	23 each	101007-0220R	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL	C103, C156, C164, C182, C183, C191, C192, C194, C212, C214, C24, C25, C26, C313, C314, C315, C324, C334, C348, C359, C419, C422, C61
		c603-35x45	14649	Panasonic	ECJ-1VB0J225K

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148	29 each	101007-0100R	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL	C127, C130, C131, C132, C133, C154, C157, C160, C169, C170, C171, C172, C173, C187, C190, C208, C231, C309, C318, C327, C33, C333, C34, C343, C4, C46, C51, C54, C7
		c603-35x45	20296	Panasonic	ECJ-1VB0J105K
149	1 each	100993-1203R	PS	CAP,CER,SMT 0603,120pF,50V,+/-10%,X7R MATL	C42
		c603-35x45	6237	AVX Corporation	06035C121KAT2A
152	8 each	101001-1104R	PS	CAP,CER,SMT 0603,10pF,50V,+/- .5pF,NPO MATL	C118, C119, C123, C124, C220, C221, C417, C418
		c603-35x45	9144	Panasonic	ECJ-1VC1H100D
153	8 each	100993-1103R	PS	CAP,CER,SMT 0603,100pF,50V,+/-10%,X7R MATL	C377, C378, C379, C386, C405, C409, C411, C412
		c603-35x45	8638	AVX Corporation	06035C101KAT2A
154	1 each	101005-1220R	PS	CAP,CER,SMT 0603,.22uF,10V,+/-10%,X5R MATL	C219
		c603-35x45	10881	Panasonic	ECJ-1VB1A224K
155	1 each	100994-1100R	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R MATL	C177
		c603-35x45	207561	Kemet Electronics Corporation	C0603C104K4RAC
156	1 each	100994-1471R	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R MATL	C408
		c603-35x45	11766	Panasonic	ECJ-1VB1C473K
160	2 each	101587-5601R	PS	CAP,CER,SMT 0402,560pF,25V,+/-10%,X7R MATL	C250, C299
		c402-25	52933	Kemet Electronics Corporation	C0402C561K5RAC
161	3 each	101782-1565R	PS	CAP,CER,SMT 0402,5.6pF,50V,+/- .25pF,NPO MATL	C376, C424, C82
		c402-25	16977	Murata Electronics	GJM1555C1H5R6CB01D
162	2 each	101782-1224R	PS	CAP,CER,SMT 0402,22pF,50V,+/-5%,NPO MATL	C222, C223
		c402-25	14844	Kemet Electronics Corporation	C0402C220J5GACTU

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163	160 each	101587-1100R	PS	CAP,CER,SMT 0402, .1uF, 10V, +/-10%, X5R MATL	C120, C125, C126, C129, C134, C138, C139, C140, C141, C143, C144, C145, C146, C147, C148, C149, C150, C151, C153, C16, C161, C165, C166, C17, C180, C181, C184, C185, C186, C189, C19, C195, C196, C197, C201, C202, C205, C206, C21, C211, C213, C227, C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C249, C251, C254, C257, C261, C264, C266, C273, C274, C275, C277, C280, C297, C298, C300, C301, C307, C310, C319, C320, C321, C322, C323, C328, C330, C331, C332, C335, C338, C339, C340, C342, C344, C345, C346, C349, C350, C355, C356, C357, C358, C360, C361, C362, C364, C365, C366, C369, C371, C372, C373, C374, C38, C381, C382, C383, C384, C385, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C40, C400, C401, C402, C403, C404, C406, C407, C410, C414, C415, C416, C426, C427, C47, C48, C55, C56, C60, C63, C64, C65, C66, C67, C69, C70, C71, C73, C74, C76, C8, C9, C91, C92, C93, C94, C97
		c402-25	202872	Kemet Electronics Corporation	C0402C104K8PAC

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:25%;">ION Footprint</th> <th style="width:25%;">Stock</th> <th style="width:25%;">Mfr Name</th> <th style="width:25%;">Mfr P/N</th> </tr> </table>						ION Footprint	Stock	Mfr Name	Mfr P/N
ION Footprint	Stock	Mfr Name	Mfr P/N						
<b>165</b>	<b>70</b> each	<b>101587-1101R</b>	PS	<b>CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R</b> MATL	C109, C113, C116, C167, C168, C188, C193, C198, C199, C200, C203, C207, C209, C215, C216, C218, C224, C225, C226, C228, C229, C232, C233, C234, C235, C236, C237, C248, C252, C253, C255, C256, C258, C260, C262, C263, C265, C267, C268, C269, C270, C271, C272, C276, C281, C282, C283, C284, C285, C286, C287, C288, C289, C290, C291, C292, C293, C294, C295, C296, C302, C303, C304, C305, C306, C329, C347, C36, C77, C95				
		c402-25		103506	Kemet Electronics Corporation C0402C103K4RAC				
<b>168</b>	<b>7</b> each	<b>102058-1102R</b>	PS	<b>CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R</b> MATL	C117, C204, C210, C375, C423, C44, C84				
		c402-25		13602	Kemet Electronics Corporation C0402C102K5RAC				
<b>180</b>	<b>4</b> each	<b>101069-2200R</b>	PS	<b>RES,NETWORK,SMT,16 PIN,8 RES,22</b> MATL	RN29, RN32, RN7, RN8				
		rpak16-10x25-2hv		6250	Panasonic EXB-2HV220JV				
<b>181</b>	<b>6</b> each	<b>101069-3300R</b>	PS	<b>RES,NETWORK,SMT,16 PIN,8 RES,33</b> MATL	RN17, RN23, RN25, RN33, RN34, RN4				
		rpak16-10x25-2hv		34717	Panasonic EXB-2HV330JV				
<b>182</b>	<b>1</b> each	<b>101327-1003R</b>	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,10K</b> MATL	RN24				
		rpak8-10x25-28v		28143	Panasonic EXB-28V103JX				
<b>183</b>	<b>22</b> each	<b>101327-3300R</b>	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,33</b> MATL	RN1, RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN18, RN19, RN2, RN20, RN21, RN22, RN26, RN27, RN28, RN3, RN30, RN31, RN5, RN6				
		rpak8-10x25-28v		33760	Panasonic EXB-28V330JX				
<b>184</b>	<b>1</b> each	<b>101327-2200R</b>	PS	<b>RES,NETWORK,SMT,8 PIN,4 RES,22</b> MATL	RN9				
		rpak8-10x25-28v		16385	Panasonic EXB-28V220JX				

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		ION Footprint	Stock	Mfr Name	Mfr P/N
<b>190</b>	<b>73</b> each	<b>101370-0001R</b>	PS	<b>RES,SMT 0402,0 OHM,1/16 WATT</b> MATL	R303, R314, R317, R318, R321, R322, R331, R337, R345, R376, R378, R379, R389, R391, R412, R419, R421, R422, R423, R424, R425, R426, R430, R433, R435, R437, R449, R453, R455, R466, R468, R470, R477, R478, R479, R480, R483, R506, R507, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R69, R8, R97, R110, R144, R164, R177, R198, R219, R235, R268, R272, R273, R274, R291, R296, R30, R462, R529, R530, R531
		r402-25	51853	Yageo	RC0402JR-070RL
<b>191</b>	<b>17</b> each	<b>101370-1502R</b>	PS	<b>RES,SMT 0402,1.5K,5%,1/16 WATT</b> MATL	R403, R405, R407, R416, R417, R418, R428, R429, R431, R436, R438, R439, R441, R442, R443, R448, R467
		r402-25	17962	Yageo	RC0402JR-071K5L
<b>192</b>	<b>10</b> each	<b>101370-1000R</b>	PS	<b>RES,SMT 0402,10 OHM,5%,1/16 WATT</b> MATL	R11, R13, R19, R23, R27, R277, R278, R32, R71, R72
		r402-25	28706	Yageo	RC0402JR-0710RL
<b>193</b>	<b>5</b> each	<b>101370-1001R</b>	PS	<b>RES,SMT 0402,100 OHM,5%,1/16 WATT</b> MATL	R151, R432, R463, R64, R65
		r402-25	9142	Yageo	RC0402JR-07100RL
<b>194</b>	<b>11</b> each	<b>101370-1004R</b>	PS	<b>RES,SMT 0402,100K,5%,1/16 WATT</b> MATL	R109, R128, R162, R316, R444, R446, R447, R454, R58, R525, R526
		r402-25	14875	Yageo	RC0402JR-07100KL

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		ION Footprint	Stock	Mfr Name	Mfr P/N
195	85 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R1, R114, R115, R116, R117, R130, R131, R14, R143, R149, R157, R161, R17, R171, R175, R176, R178, R186, R188, R197, R211, R213, R215, R217, R220, R222, R223, R224, R243, R244, R245, R246, R247, R248, R249, R25, R250, R251, R253, R255, R26, R266, R267, R295, R298, R301, R326, R364, R367, R375, R377, R380, R390, R392, R402, R413, R414, R415, R445, R460, R472, R473, R481, R484, R487, R488, R490, R492, R494, R497, R503, R504, R505, R510, R59, R60, R7, R368, R369, R370, R371, R372, R373, R486, R16
		r402-25	66420	Yageo	RC0402JR-0710KL
196	9 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R489, R491, R502, R396, R397, R398, R399, R400, R401
		r402-25	21896	Yageo	RC0402JR-071KL
197	1 each	101370-1005R	PS	RES,SMT 0402,1M,5%,1/16 WATT MATL	R459
		r402-25	18837	Yageo	RC0402JR-071ML
198	16 each	101370-2202R	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL	R111, R150, R158, R159, R181, R184, R269, R270, R346, R347, R348, R349, R350, R351, R469, R102
		r402-25	26746	Yageo	RC0402JR-072K2L
200	13 each	101370-2003R	PS	RES,SMT 0402,20K,5%,1/16 WATT MATL	R12, R129, R200, R218, R225, R227, R358, R359, R360, R361, R362, R363, R471
		r402-25	33035	Panasonic	ERJ-2GJE203X
202	15 each	101370-2200R	PS	RES,SMT 0402,22 OHM,5%,1/16 WATT MATL	R112, R113, R18, R209, R210, R280, R282, R284, R299, R302, R344, R82, R84, R527, R528
		r402-25	41029	Yageo	RC0402JR-0722RL

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		ION Footprint		Stock	Mfr Name	Mfr P/N
203	5 each	101370-2201R	PS	RES,SMT 0402,220 OHM,5%,1/16 WATT MATL	R189, R456, R457, R458, R464	
		r402-25		29456	Yageo	RC0402JR-07220RL
204	4 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R233, R265, R365, R96	
		r402-25		75152	Yageo	RC0402JR-072KL
205	34 each	101370-3300R	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL	R132, R134, R135, R136, R137, R138, R140, R142, R145, R148, R160, R165, R166, R167, R168, R169, R170, R22, R221, R275, R276, R279, R327, R330, R332, R62, R70, R73, R74, R76, R79, R81, R91, R93	
		r402-25		61714	Yageo	RC0402JR-0733RL
206	13 each	101370-3301R	PS	RES,SMT 0402,330 OHM,5%,1/16 WATT MATL	R152, R172, R174, R193, R194, R381, R382, R383, R384, R385, R386, R387, R388	
		r402-25		30030	Yageo	RC0402JR-07330RL
208	8 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R228, R236, R238, R239, R262, R286, R328, R47	
		r402-25		26469	Yageo	RC0402JR-07360RL
209	2 each	101370-4702R	PS	RES,SMT 0402,4.7K OHM,5%,1/16 WATT MATL	R343, R374	
		r402-25		29272	Yageo	RC0402JR-074K7L
210	2 each	101370-4703R	PS	RES,SMT 0402,47K OHM,5%,1/16 WATT MATL	R163, R173	
		r402-25		17676	Yageo	RC0402JR-0747KL
220	2 each	102145-1000R	PS	RES,SMT 0402,10 OHM,1%,1/16 WATT MATL	R214, R237	
		r402-25		22101	Yageo	RC0402FR-0710RL
221	1 each	102145-1304R	PS	RES,SMT 0402,130K OHM,1%,1/16 WATT MATL	R29	
		r402-25		9596	Panasonic	ERJ-2RKF1303X
223	14 each	102145-1002R	PS	RES,SMT 0402,1K,1%,1/16 WATT MATL	R283, R287, R292, R293, R300, R304, R311, R315, R77, R78, R80, R83, R87, R89	
		r402-25		27825	Yageo	RC0402FR-071KL
225	1 each	102145-3013R	PS	RES,SMT 0402,30.1K OHM,1%,1/16 WATT MATL	R187	
		r402-25		8538	Panasonic	ERJ-2RKF3012X

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230	1 each	102145-3924R r402-25	PS	RES,SMT 0402,392K,1%,1/16 WATT MATL 9596	R33 Panasonic ERJ-2RKF3923X	
232	1 each	102145-4991R r402-25	PS	RES,SMT 0402,499 OHM,1%,1/16 WATT MATL 9576	R24 Panasonic ERJ-2RKF4990X	
233	1 each	102145-5103R r402-25	PS	RES,SMT 0402,51K OHM,1%,1/16 WATT MATL 9596	R185 Panasonic ERJ-2RKF5102X	
234	1 each	100642-5604R r603-35x45	PS	RES,SMT 0603,560K OHM,1%,1/16 WATT MATL 4607	R232 Panasonic ERJ-3EKF5603V	
235	1 each	102145-7503R r402-25	PS	RES,SMT 0402,75K OHM,1%,1/16 WATT MATL 9596	R28 Panasonic ERJ-2RKF7502X	
236	1 each	100642-8253R r603-35x45	PS	RES,SMT 0603,82.5K OHM,1%,1/16 WATT MATL 4607	R51 Panasonic ERJ-3EKF8252V	
250	7 each	100687-0001R r603-35X45	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL 40028	R120, R338, R339, R340, R38, R39, R40 Panasonic ERJ-3GEY0R00V	
251	2 each	100687-1001R r603-35X45	PS	RES,SMT 0603,100 OHM,5%,1/16 WATT MATL 50627	R107, R108 Panasonic ERJ-3GEYJ101V	
252	4 each	100687-1503R r603-35X45	PS	RES,SMT 0603,15K OHM,5%,1/16 WATT MATL 8396	R404, R406, R410, R440 Yageo RC0603JR-0715KL	
253	1 each	100687-2200R r603-35X45	PS	RES,SMT 0603,22 OHM,5%,1/16 WATT MATL 6658	R226 Panasonic ERJ-3GEYJ220V	
254	1 each	100687-2005R r603-35X45	PS	RES,SMT 0603,2M OHM,5%,1/16 WATT MATL 4596	R147 Panasonic ERJ-3GEYJ205V	
255	1 each	101693-4990R r603-35X45	PS	RES,SMT 0603,49.9 OHM,.5%,1/16 WATT MATL 2544	R50 Susumu Co., Ltd. RR0816Q-49R9-D-68R	
256	4 each	100687-5602R r603-35x45	PS	RES,SMT 0603,5.6K OHM,5%,1/16 WATT MATL 9578	R179, R180, R190, R191 Panasonic ERJ-3GEYJ562V	

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257	16 each	100687-5103R	PS	RES,SMT 0603,51K OHM,5%,1/16 WATT MATL	R281, R289, R294, R305, R307, R309, R312, R313, R319, R323, R325, R333, R336, R66, R67, R68 ERJ-3GEYJ513V
		r603-35X45	18250	Panasonic	
270	3 each	100642-1502R	PS	RES,SMT 0603,1.5K OHM,1%,1/16 WATT MATL	R212, R63, R86 ERJ-3EKF1501V
		r603-35x45	15648	Panasonic	
271	1 each	100642-1003R	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT MATL	R35 ERJ-3EKF1002V
		r603-35x45	29717	Panasonic	
272	1 each	100642-2004R	PS	RES,SMT 0603,200K OHM,1%,1/16 WATT MATL	R36 ERJ-3EKF2003V
		r603-35x45	4595	Panasonic	
273	3 each	100642-1583R	PS	RES,SMT 0603,15.8K OHM,1%,1/16 WATT MATL	R119, R127, R508 ERJ-3EKF1582V
		r603-35x45	6493	Panasonic	
274	1 each	100642-1804R	PS	RES,SMT 0603,180K OHM,1%,1/16 WATT MATL	R254 RC0603FR-07180KL
		r603-35x45	4340	Yageo	
275	1 each	100642-2152R	PS	RES,SMT 0603,2.15K OHM,1%,1/16 WATT MATL	R125 ERJ-3EKF2151V
		r603-35x45	4429	Panasonic	
276	1 each	100642-2102R	PS	RES,SMT 0603,2.1K OHM,1%,1/16 WATT MATL	R126 ERJ-3EKF2101V
		r603-35x45	4596	Panasonic	
277	2 each	100642-1373R	PS	RES,SMT 0603,13.7K OHM,1%,1/16 WATT MATL	R52, R496 ERJ-3EKF1372V
		r603-35x45	4365	Panasonic	
280	1 each	100642-2402R	PS	RES,SMT 0603,2.4K OHM,1%,1/16 WATT MATL	R290 RC0603JR-072K4L
		r603-35x45	4596	Yageo	
285	1 each	100642-2214R	PS	RES,SMT 0603,221K OHM,1%,1/16 WATT MATL	R234 ERJ-3EKF2213V
		r603-35x45	7314	Panasonic	
286	3 each	100642-2671R	PS	RES,SMT 0603,267 OHM,1%,1/16 WATT MATL	R353, R356, R357 ERJ-3EKF2670V
		r603-35x45	9631	Panasonic	
287	3 each	100642-3302R	PS	RES,SMT 0603,3.3K OHM,1%,1/16 WATT MATL	R450, R451, R452 RC0603JR-073K3L
		r603-35x45	3788	Yageo	

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288	2 each	100642-3013R r603-35x45	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL 16612 Panasonic	R118, R509 ERJ-3EKF3012V	
289	1 each	100642-3324R r603-35x45	PS	RES,SMT 0603,332K OHM,1%,1/16 WATT MATL 4574 Panasonic	R256 ERJ-3EKF3323V	
290	1 each	100642-3924R r603-35x45	PS	RES,SMT 0603,392K OHM,1%,1/16 WATT MATL 4596 Yageo	R37 RC0603FR-07392KL	
296	1 each	100642-4754R r603-35x45	PS	RES,SMT 0603,475K OHM,1%,1/16 WATT MATL 4471 Yageo	R229 RC0603FR-07475KL	
297	4 each	100642-4990R r603-35x45	PS	RES,SMT 0603,49.9 OHM,1%,1/10 WATT MATL 14630 Panasonic	R2, R3, R4, R5 ERJ-3EKF49R9V	
300	1 each	100642-4993R r603-35x45	PS	RES,SMT 0603,49.9K OHM,1%,1/16 WATT MATL 3340 Panasonic	R427 ERJ-3EKF4992V	
301	1 each	100642-5624R r603-35x45	PS	RES,SMT 0603,562K OHM,1%,1/16 WATT MATL 4596 Panasonic	R139 ERJ-3EKF5623V	
302	1 each	100642-6652R r603-35x45	PS	RES,SMT 0603,6.65K OHM,1%,1/16 WATT MATL 11295 Panasonic	R196 ERJ-3EKF6651V	
303	1 each	100642-6812R r603-35x45	PS	RES,SMT 0603,6.81K OHM,1%,1/16 WATT MATL 7611 Panasonic	R90 ERJ-3EKF6811V	
304	1 each	100642-6804R r603-35x45	PS	RES,SMT 0603,680K OHM,1%,1/16 WATT MATL 4596 Panasonic	R34 ERJ-3EKF6803V	
305	12 each	100642-7500R r603-35x45	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT MATL 29217 Panasonic	R100, R101, R105, R106, R133, R141, R146, R352, R56, R75, R88, R99 ERJ-3EKF75R0V	
306	1 each	100642-8254R r603-35x45	PS	RES,SMT 0603,825K OHM,1%,1/16 WATT MATL 8482 Panasonic	R252 ERJ-3EKF8253V	
307	1 each	100642-8203R r603-35x45	PS	RES,SMT 0603,82K OHM,1%,1/16 WATT MATL 4585 Yageo	R261 RC0603FR-0782KL	

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309	1 each	100642-4023R  r603-35x45	PS	RES,SMT 0603,40.2K OHM,1%,1/16 WATT MATL 4607 Panasonic	R231  ERJ-3EKF4022V
310	1 each	100642-7502R  r603-35x45	PS	RES,SMT 0603,7.5K OHM,1%,1/16 WATT MATL 10212 Panasonic	R474  ERJ-3EKF7501V
311	4 each	100642-4992R  r603-35x45	PS	RES,SMT 0603,4.99K OHM,1%,1/16 WATT MATL 9464 Panasonic	R121, R334, R476, R495  ERJ-3EKF4991V
312	1 each	100642-1002R  r603-35x45	PS	RES,SMT 0603,1K OHM,1%,1/16 WATT MATL 8541 Panasonic	R475  ERJ-3EKF1001V
313	1 each	100642-2492R  r603-35x45	PS	RES,SMT 0603,2.49K OHM,1%,1/16 WATT MATL 9379 Panasonic	R493  ERJ-3EKF2491V
315	3 each	100642-1004R  r603-35x45	PS	RES,SMT 0603,100K OHM,1%,1/16 WATT MATL 10034 Yageo	R230, R48, R54  RC0603FR-07100KL
316	1 each	100642-4124R  r603-35x45	PS	RES,SMT 0603,412K OHM,1%,1/16 WATT MATL 4562 Yageo	R49  RC0603FR-07412KL
320	18 each	102598-0002R  r1206-40x70	PS	RES,SMT 1206,.02 OHM,2%,1/2 WATT MATL 23636 Susumu Co., Ltd.	R103, R104, R240, R241, R242, R31, R41, R42, R43, R44, R45, R46, R53, R57, R61, R92, R94, R95 RL1632T-R020-G
325	5 each	100155-0001R  r1206-40x70	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL 10964 Yageo	PL1, PL2, PL3, PL4, PL5  RC1206JR-070RL
330	1 each	102786-0001R  spkr-ast-02308mr	PS A	SPEAKER,23mm DIA.,200mW MATL 746 Projects Unlimited	SPK1  AST-02308MR-R
339	1 each	101184-0002R  sw2-30x50-tda	PS	SWITCH,DIP,SMT,HALF-PITCH,2 POS. MATL 1666 C&K/Unimax, Inc.	SW23  TDA02H0SB1R
340	2 each	101184-0006R  SW6-30X50-TDA	PS	SWITCH,DIP,SMT,HALF-PITCH,6 POS. MATL 2369 C&K/Unimax, Inc.	SW4, SW5  TDA06H0SB1R

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341	19 each	101215-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW2, SW20, SW21, SW22, SW3, SW6, SW7, SW8, SW9
		SW-40X126-EVQP1	18249	Panasonic	EVQ9P105M
342	1 each	102181-0002R	PS	SWITCH,SMT,SLIDE,2 POSITION,GULL WING MATL	SW1
		sw6-40x67_gw	2499	Copal Electronics	CAS-D20TB
350	1 each	100558-0009R	PS	CONN,DB9,MALE,RIGHT ANGLE,,318 MATL	P1
		CONN9D-6547-RT-M	1559	PI Manufacturing Corp.	2100-009P
351	1 each	101833-0096R	PS	CONN,DIN,C96,MALE,STRAIGHT,TYPE R MATL	J10
		conn96-6039-din-vmir	439	Hirose Electric, Inc.	PCN10-96P-2.54DSA
352	1 each	102166-0001R	PS	CONN,JACK,RJ45,INTEGRATED MAGNETICS MATL	P2
		conn8-rt-rj45-sh-halo	3457	HALO Electronics, Inc.	HFJ11-2450E-L21RL
353	1 each	100677-0004R	PS	CONN,MINI-DIN,FEMALE,4 POS. MATL	J15
		749181_1	1552	Tyco Electronics	5749181-1
354	2 each	102540-0015R	PS	CONN,RCA,RIGHT ANGLE,BLUE MATL	J20, J9
		rcajack-CUI-RCJ-01	1789	CUI, Inc.	RCJ-015
356	2 each	102540-0016R	PS	CONN,RCA,RIGHT ANGLE,GREEN MATL	J17, J8
		rcajack-CUI-RCJ-01	1887	CUI, Inc.	RCJ-016
358	2 each	102540-0012R	PS	CONN,RCA,RIGHT ANGLE,RED MATL	J11, J21
		rcajack-CUI-RCJ-01	1959	CUI, Inc.	RCJ-012
359	2 each	102540-0014R	PS	CONN,RCA,RIGHT ANGLE,YELLOW MATL	J13, J16
		rcajack-CUI-RCJ-01	1747	CUI, Inc.	RCJ-014
360	1 each	101238-0001R	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL	J7
		PWR3-RASM712	5226	Switchcraft	RASM712TRP15X
361	4 each	101012-0001R	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm MATL	P3, P4, P5, P6
		st_3500	13419	Kycon, Inc.	STX-3500-4NTR
362	1 each	102787-0020R	PS	CONN,SMT,RECEPTACLE,20 POS.,.5mm MATL	J24
		molex20-52745	1596	Molex	52745-2096

**Parts List**

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Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
ION Footprint      Stock      Mfr Name      Mfr P/N					
363	1 each	101956-0001R samtrec-MUSB	PS	CONN,SMT,RECEPTACLE,5 POS,RIGHT MATL 1439	J1 MUSB-05-S-AB-SM-A-K-T R
364	1 each	102293-0001R scdb1a	PS	CONN,SMT,RECEPTACLE,SD/MMC/MS MATL 438	J12 SCDB1C0105
365	1 each	102773-0001R conn_fps009-2305-0	PS	CONN,SMT,RECEPTACLE,SECURE MATL 1306	J25 FPS009-2305-0
366	3 each	100562-0015R CONN2X15-29X110-SFM	PS	CONN,SMT,VERTICAL,RECEPTACLE,15X2 MATL 2299	J18, J19, J23 SFM-115-02-S-D-LC
367	1 each	100562-0030R CONN2X30-29X110-SFM	PS	CONN,SMT,VERTICAL,RECEPTACLE,30X2 MATL 674	J14 SFM-130-02-S-D-LC
368	1 each	100116-0005R JUMP2X5-6040	PL	HEADER,5 X 2,VERTICAL,PIN SUBA 2808	J22 2011-2X05G00SB/SN
381	21 each	100115-0002R JUMP1X2-6040	PL	HEADER,2 X 1,VERTICAL,PIN SUBA 0	J6, T1, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP22, TP23, TP29, TP42, TP43, TP44, TP45, TP9, J28, JP2
382	2 each	100115-0003R JUMP1X3-6040	PL	HEADER,3 X 1,VERTICAL,PIN SUBA 0	J26, J27
390	1 each	100116-0003R JUMP2X3-6040	PL	HEADER,3 X 2,VERTICAL,PIN SUBA 0	J4
391	2 each	100116-0007R JUMP2X7-6040	PL	HEADER,7 X 2,VERTICAL,PIN SUBA 4517	J2, J3 2011-2X07G00SB/SN
392	1 each	100116-0009R JUMP2X9-6040	PL	HEADER,9 X 2,VERTICAL,PIN SUBA 0	JP1
395	1 each	100116-0010R JUMP2X10-6040	PL	HEADER,10 X 2,VERTICAL,PIN SUBA 0	J5

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		ION Footprint		Stock	Mfr Name	Mfr P/N
400	1 each	100062-0001R batthold-key106	PS	BATTERY HOLDER,.796 IN,1 CELL MATL 820	BHT1 Keystone Electronics Corp. 106	
402	1 each	101606-0048R skt-tsop48sm	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL 790	XU28 Meritec 980020-48-P2-K	
403	8 each	102239-0001R	PS	BUMPER,ROUND,NON-SLIP, .375 X .235 MATL 53931	3M Electronic Products Division SJ61A2	
405	3 each	C0402-NOPOP c402-25	PS	NP -29552	C325, C326, C336	
406	6 each	C0603-NOPOP c603-35x45	PS	NP -43633	C135, C174, C176, C179, C380, C413	
410	61 each	R0402-NOPOP r402-25	PS	NP -353231	R85, R98, R122, R123, R124, R153, R154, R155, R156, R15, R182, R183, R192, R195, R20, R201, R202, R203, R204, R205, R206, R207, R208, R21, R216, R257, R258, R259, R263, R264, R271, R285, R288, R297, R306, R308, R310, R320, R324, R329, R335, R342, R354, R355, R366, R393, R394, R395, R420, R434, R482, R485, R498, R501, R511, R6, R408, R409, R499, R341, R260	
412	5 each	R0603-NOPOP r603-35X45	PS	NP -45114	R10, R411, R9, R55, R500	
415	1 each	R2512-NOPOP R2512	PS	NP -3172	R199	

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		ION Footprint		Stock	Mfr Name	Mfr P/N
<b>420</b>	<b>55</b> each	<b>NO-POP</b>	PS	NP		D7, L87, L89, Q3, Q11, TP1, TP10, TP2, TP20, TP21, TP24, TP26, TP27, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP46, TP47, TP48, TP49, TP5, TP50, TP51, TP52, TP53, TP54, TP55, TP56, TP57, TP58, TP59, TP6, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP69, TP7, TP70, TP71, TP8

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