

Parts List

510840-0001

ASSY,DM365 EVM
SUBA

Type	PL	PCB Package	
Revision	A	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	
		PCB Package		ION Footprint	Stock	Mfr P/N
1	1 each	510841-0001	DWG A	PWB,DM365 EVM CSTM		
					3	
2	1 each	510842-0001	DOC A	LOGIC,DM365 EVM SCH		
					-11	
5	1 each	102445-0005R	PS	IC,BGA256,FPGA,2210 GATES,MAX II,1.8V MATL	U33	
		BGA16X16-1MM		bga256-18rd	465	EPM2210GF256C5N
6	1 each	102235-0001R	PS	IC,SO8,SERIAL EEPROM,256K-BIT MATL	U29	
		SO8WN		Replaced 101025-0001R. Backwards compatible. so8-25x75-295	9245	CAT24C256WI-G
7	1 each	102655-0001R	PS	IC,SO8,SPI SERIAL EEPROM,64K MATL	U16	
		SO8		so8-25x75	3990	AT25640AN-10SU-2.7 SL383
10	1 each	102727-0001R	PS	IC,BGA63,ONE NAND FLASH MEMORY,1G MATL	U27	
		BGA63-.8MM		bga_6x8_8mm_flash	1150	KFG1G16U2B-DIB6000
11	1 each	102085-0030R	PS	IC,BGA92,DDR2 SDRAM,1G,3nS MATL	U19	
		BGA21X9_92		BGA92-13P8-MICRON	2405	MT47H64M16HR-3:E
12	1 each	102512-0001R	PS	IC,PQFP100,TRIPLE 8/10-BIT,VIDEO AND MATL	U20	
		PQFP100PZP		pzp100-12x70-slug	407	TVP7002PZP
15	1 each	101916-0001R	PS	IC,PQFP80,VIDEO DECODER,4 X 10 BIT MATL	U24	
		PQFP80-PFP		pfp80-11x70	370	TVP5146PFP4
16	1 each	102774-0001R	PS	IC,QFN48,DC-DC CONVERTER MATL	U14	
		QFN48-RSL		rsl48-8x33	484	TPS65530RSLT
17	1 each	102322-0001R	PS	IC,QFP48,PHYSICAL LAYER TRANSCEIVER MATL	U5	
		TI_TQFP48		lqfp48-12x60	456	KSZ8001L

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
20	1 each	102659-0016R	PS	IC,TSOP48,NAND FLASH,16G,3.3V MATL	U28	
		TSOP48			861	MT29F16G08FAAWC:A
21	2 each	102513-0001R	PS	IC,TSSOP56,74CBT16214,12-BIT MATL	U21, U17	
		TSSOP56		dgg56-12x80	8130	74CBT16214CDGGRE4
22	2 each	102693-0001R	PS	IC,TSSOP56,74CBTLV16212,LOW VOLTAGE, MATL	U10, U37	
		TSSOP56		dgg56-12x80	1798	SN74CBTLV16212GR
25	1 each	102486-0001R	PS	IC,TSSOP24,8-BIT DUAL SUPPLY BUS MATL	U13	
		SO24PWA		pw24-14x70	2217	SN74AVC8T245PWRE4
26	1 each	102570-0001R	PS	IC,TSSOP20,3-CHANNEL LOW POWER VIDEO MATL	U23	
		PSOP20PW		pw20-14x70	1878	THS7303PW
27	1 each	102541-0001R	PS	IC,TSSOP20,3-CHANNEL LOW POWER VIDEO MATL	U15	
		PSOP20PW		pw20-14x70	1412	THS7353PW
28	1 each	101691-0001R	PS	IC,TSSOP16,RS-232 DRIVER/RECEIVER MATL	U3	
		TSSOP16		pw16-14x70	3383	MAX3221CPWRG4
29	1 each	102781-0001R	PS	IC,TSSOP14,MIXED SIGNAL MATL	U2	
		SSOP14		pw14-12x70	349	MSP430F2013IPW
30	1 each	101249-0001R	PS	IC,SSOP28,DUAL LOW-DROPOUT VOLTAGE MATL	U30	
		PSOP28T		PWP28-14X70	1832	TPS767D301PWPRG4
35	1 each	102810-0001R	PS	IC,SO8,POWER DISTRIBUTION MATL	U4	
		SO8		so8-25x75	5032	TPS2065DR
36	1 each	101057-0007R	PS	IC,SO5,SINGLE BUFFER/DRIVER MATL	U39	
		DCK5		dck-5	2197	SN74LVC1G07DCKRG4
37	2 each	102752-0001R	PS	IC,SMT,LINEAR REGULATOR,500mA MATL	U31, U22	
		QFN10		drc10-11x33	1637	TPS74701DRCR
38	1 each	102784-0001R	PS	IC,SMT,BOOST CONVERTER MATL	U34	
		QFN10		drc10-11x33	350	TPS61080DRCT

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
39	6 each	101670-0001R	PS	IC,QSOP16,LOW VOLTAGE,QUAD 2:1 MATL	U11, U12, U25, U26, U38, U40	
		TSSOP16		tssop16-14x70	13914	74CBTLV3257PWRG4
40	1 each	102780-0001R	PS	IC,QFN32,LOW POWER STEREO AUDIO CODEC MATL	U7	
		QFN32		QFN32_202SQ	489	TLV320AIC3101IRHBT
41	1 each	102783-0001R	PS	IC,QFN16,BATTERY BACKUP IC MATL	U9	
		RGT16		rgt16-12x34	289	TPS65510RGT
42	1 each	101722-0001R	PS	IC,DBV6,LINEAR REGULATOR,ADJUSTABLE MATL	U36	
		DBV6			4841	TPS79301DBVRG4
45	1 each	102171-0001R	PS	INFRARED RECEIVER,THRU-HOLE,40kHz MATL	U1	
		TSOP34840		tsop34840-6545	927	TSOP34840
55	1 each	100983-0012R	PS	OSC,SMT,12 MHZ MATL	U35	
		CB3LV		OSC4-71X79	1883	CB3LV-3C-12.0000-T
56	1 each	100983-0025R	PS	OSC,SMT,25 MHZ MATL	U6	
		CB3LV		OSC4-71X79	3110	CB3LV-3C-25.0000-T
57	1 each	100983-0027R	PS	OSC,SMT,27 MHZ MATL	U8	
		CB3LV		OSC4-71X79	1245	CB3LV-3C-27.0000-T
58	1 each	101940-0032R	PS	CRYSTAL,SMT,32.768kHz MATL	Y2	
		SSP-T6		xtal3-ssp-t6	522	SSP-T6
59	1 each	101590-0143R	PS	CRYSTAL,SMT,6mm,14.31818 MHZ MATL	Y3	
		ABM7		xtal2-75x94	2543	CS10-14.31818MABJ-UT
60	1 each	101590-0240R	PS	CRYSTAL,SMT,6mm,24 MHZ MATL	Y1	
		ABM7		xtal2-75x94	2841	CS10-24.000MABJ-UT
65	1 each	101787-0001R	PS	TRANSISTOR,SMT,DUAL LOAD SWITCH MATL	U32	
		DBV6		DBV6-27X39-6	6226	FDC6331L
66	1 each	102789-0001R	PS	TRANSISTOR,SOIC,DUAL MOSFET,N AND P MATL	Q1	
		VEC8		vec8-12x45	2989	VEC2611

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
67	2 each	100680-0001R	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. SOT23-28X44-GSD	Q2, Q3 13940	BSS138TA
		SOT23-FET				
68	3 each	102788-0001R	PS	TRANSISTOR,SC-70,NPN,100mA MATL	Q4, Q5, Q6	
		SC-70-UMT3		sc70-3m	2967	DTC114EUAT106
70	1 each	101808-0006R	PS	TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V MATL	D1	
		SMC		SMC-80X128	2878	SMCJ6.0A-13-F
71	5 each	102220-0001R	PS	DIODE,S0D-123,SCHOTTKY POWER,,5A MATL	D2, D3, D4, D5, D8	
		SOD-123		sod123-36x48	2945	MBR0530T1G
72	1 each	100695-0002R	PS	DIODE,SOT23,REFERENCE,4.1V MATL	D6	
		LM4040-SOT23		SOT23-28X44	11557	LM4040CIM3X-4.1/NOPB
75	9 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS1, DS2, DS3, DS4, DS5, DS6, DS7, DS8, DS9	
		EIA1206D		led1206-59x59	39744	LTST-C150GKT
80	7 each	101919-0270R	PS	INDUCTOR,SMT 0603,2.7uH,+/-10% MATL	L31, L69, L70, L72, L75, L76, L77	
		EIA0603		L603-35x45	16007	MLF1608A2R7K
81	2 each	101584-0100R	PS	INDUCTOR,SMT 0805,1uH MATL	L2, L3	
		EIA0805		L805-35x60	17093	CI0805-1R0K-R
82	3 each	102867-0151R	PS	INDUCTOR,SMT,15uH,SHIELDED MATL	L10, L12, L17	
				ind_sds680	1967	SDS680R-153M
83	1 each	102868-0250R	PS	INDUCTOR,SMT,2.5uH,POWER MATL	L8	
				choke-power-240sq	489	744052002
84	1 each	102867-0330R	PS	INDUCTOR,SMT,3.3uH,SHIELDED MATL	L18	
				ind_sds680	1989	SDS680R-332M
85	1 each	102869-0470R	PS	INDUCTOR,SMT,4.7uH MATL	L13	
		IND-DE28		ind2-35x51	2050	VLF3012AT-4R7MR74
86	4 each	102867-0470R	PS	INDUCTOR,SMT,4.7uH,SHIELDED MATL	L11, L15, L19, L35	
				ind_sds680	1956	SDS680R-472M

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
90	1 each	102785-0001R	PS	MICROPHONE,CYLINDRICAL,,.38 DIA. MATL	M1	
		MIC-TH		mic-md9745apz-f	294	MD9745APZ-F
95	6 each	101858-1201R	PS	FERRITE BEAD,SMT 0603,120 OHM MATL	L22, L27, L43, L59, L73, L58	
		EIA0603		l603-35x45	10414	BLM18AG121SN1D
96	23 each	101228-2201R	PS	FERRITE BEAD,SMT 0805,220 OHMS MATL	L38, L1, L4, L5, L6, L9, L20, L21, L23, L24, L39, L40, L41, L42, L44, L45, L46, L47, L49, L50, L52, L55, L80	
		EIA0805		l805-35x60	91697	BLM21PG221SN1D
97	33 each	101126-0001R	PS	FERRITE BEAD,SMT 1806,75 OHMS MATL	L7, L14, L16, L25, L26, L29, L30, L32, L33, L34, L48, L51, L53, L54, L56, L57, L60, L61, L62, L63, L64, L65, L66, L67, L68, L71, L74, L78, L79, L28, L36, L37, L81	
		SMTIND		FB1806-41X70	50888	BLM41PG750SN1L
98	10 each	102569-1470R	PS	FILTER,SMT 0805,EMI,.47uF,16V MATL	E1, E2, E3, E4, E5, E6, E7, E8, E9, E10	
		NFM21		emi-NFM21p	14432	NFM21PC474R1C3D
100	1 each	100872-0004R	PS	FUSE,SMT,OMNI-BLOK,4A MATL	F1	
		F-SMF-OMNI-BLOK		FUSEFOLDER-OMNI-BL OK	2531	154004T
110	1 each	100995-0471R	PS	CAP,TANT,SMT 2816,47uF,10V MATL	C15	
		EIA2816P		c7343-84x118	20384	T491D476K010AT
111	1 each	101608-0102R	PS	CAP,TANT,SMT 2816,100uF,10V MATL	C2	
		EIA2816P		c7343-84x118	5045	593D107X9010D2TE3
112	3 each	101893-0332R	PS	CAP,TANT,SMT 2816,330uF,6.3V,20% MATL	C115, C112, C108	
		EIA2816P		c7343-84x118	5708	TPSE337M006R0100
115	4 each	100044-0330R	PS	CAP,TANT,SMT 1311,3.3uF,16V MATL	C75, C85, C90, C178	
		EIA1311P		c3528-64x112	3831	F971C335MBA
116	1 each	101824-0102R	PS	CAP,TANT,SMT 1311,100uF,6V MATL	C107	
		EIA1311P		c3528-64x112	4985	T491B107M006AT
118	1 each	102874-0222R	PS	CAP,TANT,SMT 1206,220uF,4V MATL	C29	
		EIA1206P		c1206-40x70p	89	TLJA227M004R1100

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
119	1 each	102359-0680R	PS	CAP,TANT,SMT 1206,6.8uF,10V,+/-20% MATL	C5	
		EIA1206P		c1206-40x70p	4908	TCA1A685M8R
120	6 each	101953-0331R	PS	CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR MATL	C59, C49, C89, C88, C163, C158	
		EIA1206P		c1206-40x70p	26300	TPSA336K006R0600
121	22 each	101003-0101R	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C1, C121, C6, C13, C14, C27, C62, C68, C78, C79, C80, C81, C104, C110, C114, C136, C259, C278, C308, C311, C152, C142	
		EIA1206P		c1206-40x70-POL	72471	T491A106M006AT
125	1 each	101583-1102R	PS	CAP,CER,SMT 1812,1000pF,X7R,2KV MATL	C3	
		EIA1812		EIA1812	6133	1812GC102KAT1A
126	2 each	101497-0471R	PS	CAP,CER,SMT 1206,47uF,6.3V MATL	C45, C58	
		EIA1206		C1206-40X70	1978	JMK316BJ476ML-T
127	11 each	101694-0470R	PS	CAP,CER,SMT 1206,4.7uF,16V,X5R MATL	C10, C11, C12, C18, C20, C28, C31, C86, C87, C96, C230	
		EIA1206		C1206-40X70	8991	C1206C475K4PAC
128	12 each	101064-0221R	PS	CAP,CER,SMT 1206,22uF,10V MATL	C22, C23, C30, C35, C39, C41, C43, C50, C57, C98, C162, C217	
		EIA1206		C1206-40X70	26579	LMK316F226ZL-T
129	9 each	101497-0101R	PS	CAP,CER,SMT 1206,10uF,6.3V MATL	C37, C83, C99, C100, C105, C106, C279, C155, C159	
		EIA1206		C1206-40X70	16924	JMK316BJ106ML
135	3 each	100993-6803R	PS	CAP,CER,SMT 0603,680pF,50V,+/-10%,X7R MATL	C312, C341, C363	
		EIA0603		c603-35x45	8682	06035C681KAT2A
136	1 each	100993-1472R	PS	CAP,CER,SMT 0603,4700pF,50V,+/-10%,X7R MATL	C72	
		EIA0603		c603-35x45	7781	06035C472KAT2A
137	3 each	101637-1334R	PS	CAP,CER,SMT 0603,33pF,100V,+/-5%,NPO MATL	C111, C367, C368	
		EIA0603		c603-35x45	7855	ECJ-1VC2A330J
140	6 each	100993-3303R	PS	CAP,CER,SMT 0603,330pF,50V,+/-10%,X7R MATL	C316, C317, C337, C351, C354, C370	
		EIA0603		c603-35x45	13438	06035C331KAT2A

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package	ION Footprint		Stock	Mfr P/N
141	5 each	101103-1274R EIA0603	PS	CAP,CER,SMT 0603,27pF,50V,+/-5%,NPO MATL c603-35x45	C32, C53, C52, C353, C352 10837 ECJ-1VC1H270J	
142	2 each	100993-1273R EIA0603	PS	CAP,CER,SMT 0603,270pF,50V,+/-10%,X7R MATL c603-35x45	C101, C102 8147 06035C271KAT2A	
145	1 each	101002-1224R EIA0603	PS	CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO MATL c603-35x45	C175 10336 ECJ-1VC1H220J	
146	3 each	100993-1223R EIA0603	PS	CAP,CER,SMT 0603,220pF,50V,+/-10%,X7R MATL c603-35x45	C122, C128, C137 10823 06035C221KAT2A	
147	21 each	101007-0220R EIA0603	PS	CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10% MATL c603-35x45	C24, C25, C26, C61, C103, C156, C164, C182, C191, C192, C194, C212, C214, C313, C314, C315, C324, C334, C348, C359, C183 13603 ECJ-1VB0J225K	
148	28 each	101007-0100R EIA0603	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL c603-35x45	C4, C7, C51, C54, C127, C130, C131, C132, C133, C154, C157, C208, C33, C34, C160, C169, C170, C171, C172, C173, C190, C309, C318, C333, C343, C187, C231, C327 34809 ECJ-1VB0J105K	
149	1 each	100993-1203R EIA0603	PS	CAP,CER,SMT 0603,120pF,50V,+/-10%,X7R MATL c603-35x45	C42 2863 06035C121KAT2A	
152	6 each	101001-1104R EIA0603	PS	CAP,CER,SMT 0603,10pF,50V,+/-5pF,NPO MATL c603-35x45	C118, C119, C123, C124, C221, C220 23202 ECJ-1VC1H100D	
153	8 each	100993-1103R EIA0603	PS	CAP,CER,SMT 0603,100pF,50V,+/-10%,X7R MATL c603-35x45	C377, C378, C379, C386, C405, C409, C411, C412 7832 06035C101KAT2A	
154	1 each	101005-1220R EIA0603	PS	CAP,CER,SMT 0603,.22uF,10V,+/-10%,X5R MATL c603-35x45	C219 16711 ECJ-1VB1A224K	
155	1 each	100994-1100R EIA0603	PS	CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R MATL c603-35x45	C177 282343 C0603C104K4RAC	

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
156	1 each	100994-1471R EIA0603	PS	CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R MATL c603-35x45	10842	C408 ECJ-1VB1C473K
160	2 each	101587-5601R EIA0402	PS	CAP,CER,SMT 0402,560pF,25V,+/-10%,X7R MATL c402-25	72831	C250, C299 C0402C561K5RAC
161	2 each	101782-1565R EIA0402	PS	CAP,CER,SMT 0402,5.6pF,50V,+/- .25pF,NPO MATL c402-25	20707	C376, C82 GJM1555C1H5R6CB01D
162	2 each	101782-1224R EIA0402	PS	CAP,CER,SMT 0402,22pF,50V,+/-5%,NPO MATL c402-25	16800	C223, C222 C0402C220J5GACTU

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference		
		PCB Package		ION Footprint	Stock	Mfr P/N	
163	156 each	101587-1100R	PS	CAP,CER,SMT 0402, .1uF,10V,+/-10%,X5R MATL	C8, C9, C38, C40, C46, C47, C48, C55, C56, C60, C63, C64, C65, C66, C67, C69, C70, C71, C73, C74, C91, C92, C94, C97, C126, C134, C139, C140, C143, C148, C149, C166, C180, C181, C184, C185, C186, C189, C195, C196, C197, C201, C202, C205, C206, C211, C213, C227, 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, C319, C320, C321, C323, C328, C330, C335, C338, C339, C340, C342, C345, C346, C350, C355, C356, C357, C358, C360, C364, C365, C366, C369, C382, C383, C384, C385, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C400, C401, C402, C403, C404, C406, C407, C16, C17, C19, C21, C76, C93, C120, C125, C129, C138, C141, C144, C145, C146, C147, C150, C151, C153, C161, C165, C307, C310, C322, C331, C332, C344, C349, C381, C410, C238, C361, C362, C371, C372, C373, C374		
		EIA0402		c402-25	357520	C0402C104K8PAC	

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
165	70 each	101587-1101R	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C36, C77, C95, C167, C168, C188, C193, C198, C199, C200, C203, C207, C209, C215, C216, C224, C225, C226, C228, C229, C232, C233, C234, C235, C236, C237, C248, C252, C253, C255, C256, C258, 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, C109, C113, C116, C347, C218, C260	
		EIA0402		c402-25	38295	C0402C103K4RAC
168	6 each	102058-1102R	PS	CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R MATL	C44, C84, C117, C204, C210, C375	
		EIA0402		c402-25	31979	C0402C102K5RAC
180	2 each	101069-2200R	PS	RES,NETWORK,SMT,16 PIN,8 RES,22 MATL	RN29, RN32	
		EXB-2HVS		rpak16-10x25-2hv	14106	EXB-2HV220JV
181	8 each	101069-3300R	PS	RES,NETWORK,SMT,16 PIN,8 RES,33 MATL	RN4, RN7, RN8, RN17, RN23, RN25, RN33, RN34	
		EXB-2HVS		rpak16-10x25-2hv	55097	EXB-2HV330JV
182	1 each	101327-1003R	PS	RES,NETWORK,SMT,8 PIN,4 RES,10K MATL	RN24	
		EXB-28VS		rpak8-10x25-28v	32200	EXB-28V103JX
183	23 each	101327-3300R	PS	RES,NETWORK,SMT,8 PIN,4 RES,33 MATL	RN1, RN2, RN3, RN5, RN6, RN9, RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN18, RN19, RN20, RN21, RN22, RN27, RN28, RN30, RN31, RN26	
		EXB-28VS		rpak8-10x25-28v	36713	EXB-28V330JX

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
190	46 each	101370-0001R	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL		R8, R30, R69, R110, R144, R164, R177, R198, R219, R235, R268, R272, R273, R274, R291, R296, R303, R314, R317, R318, R324, R331, R337, R376, R378, R379, R389, R391, R412, R419, R423, R424, R425, R426, R430, R433, R435, R437, R449, R453, R455, R421, R422, R345, R97, R321 RC0402JR-070RL
		EIA0402		r402-25	89243	
191	16 each	101370-1502R	PS	RES,SMT 0402,1.5K,5%,1/16 WATT MATL		R403, R405, R407, R416, R417, R418, R428, R429, R431, R436, R438, R439, R441, R442, R443, R448 RC0402JR-071K5L
		EIA0402		r402-25	26387	
192	10 each	101370-1000R	PS	RES,SMT 0402,10 OHM,5%,1/16 WATT MATL		R11, R13, R19, R23, R27, R32, R71, R72, R277, R278 RC0402JR-0710RL
		EIA0402		r402-25	44849	
193	4 each	101370-1001R	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL		R64, R65, R151, R432 RC0402JR-07100RL
		EIA0402		r402-25	28249	
194	8 each	101370-1004R	PS	RES,SMT 0402,100K,5%,1/16 WATT MATL		R109, R128, R162, R316, R444, R446, R447, R454 RC0402JR-07100KL
		EIA0402		r402-25	26501	

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference				
		PCB Package		ION Footprint	Stock	Mfr P/N			
195	74 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R1, R7, R14, R15, R17, R25, R26, R58, R59, R60, R115, R117, R130, R131, R143, R149, R157, R161, R171, R175, R176, R178, R186, R188, R197, R211, R213, R215, R217, R220, R222, R223, R224, R243, R244, R245, R246, R247, R248, R249, R250, R251, R253, R255, R260, R266, R267, R295, R298, R301, R326, R364, R375, R377, R380, R390, R392, R402, R413, R445, R460, R114, R116, R367, R408, R409, R396, R397, R398, R399, R400, R401, R415, R414	EIA0402	r402-25	137588	RC0402JR-0710KL
196	6 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R368, R369, R370, R371, R372, R373	EIA0402	r402-25	48359	RC0402JR-071KL
197	1 each	101370-1005R	PS	RES,SMT 0402,1M,5%,1/16 WATT MATL	R459	EIA0402	r402-25	19291	RC0402JR-071ML
198	15 each	101370-2202R	PS	RES,SMT 0402,2.2K OHM,5%,1/16 WATT MATL	R111, R150, R158, R159, R184, R269, R270, R341, R346, R347, R348, R349, R350, R351, R181	EIA0402	r402-25	39374	RC0402JR-072K2L
200	12 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	EIA0402	r402-25	46702	ERJ-2GEJ203X
202	13 each	101370-2200R	PS	RES,SMT 0402,22 OHM,5%,1/16 WATT MATL	R18, R82, R84, R112, R113, R209, R210, R280, R282, R284, R299, R302, R344	EIA0402	r402-25	98573	RC0402JR-0722RL
203	4 each	101370-2201R	PS	RES,SMT 0402,220 OHM,5%,1/16 WATT MATL	R189, R456, R457, R458	EIA0402	r402-25	35730	RC0402JR-07220RL

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
204	4 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R365, R96, R233, R265	
		EIA0402		r402-25	52008	RC0402JR-072KL
205	34 each	101370-3300R	PS	RES,SMT 0402,33 OHM,5%,1/16 WATT MATL	R22, R62, R70, R73, R74, R76, R79, R81, R91, R93, R132, R134, R135, R136, R137, R138, R140, R142, R145, R148, R160, R165, R166, R167, R168, R169, R170, R221, R275, R276, R279, R327, R330, R332	
		EIA0402		r402-25	98603	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	
		EIA0402		r402-25	28547	RC0402JR-07330RL
208	8 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R47, R236, R228, R239, R238, R262, R286, R328	
		EIA0402		r402-25	40513	RC0402JR-07360RL
209	2 each	101370-4702R	PS	RES,SMT 0402,4.7K OHM,5%,1/16 WATT MATL	R343, R374	
		EIA0402		r402-25	31567	RC0402JR-074K7L
210	2 each	101370-4703R	PS	RES,SMT 0402,47K OHM,5%,1/16 WATT MATL	R163, R173	
		EIA0402		r402-25	13682	RC0402JR-0747KL
220	2 each	102145-1000R	PS	RES,SMT 0402,10 OHM,1%,1/16 WATT MATL	R237, R214	
		EIA0402		r402-25	23670	RC0402FR-0710RL
221	1 each	102145-1304R	PS	RES,SMT 0402,130K OHM,1%,1/16 WATT MATL	R29	
		EIA0402		r402-25	9989	ERJ-2RKF1303X
222	1 each	102145-1374R	PS	RES,SMT 0402,137K,1%,1/16 WATT MATL	R52	
		EIA0402		r402-25	9989	ERJ-2RKF1373X
223	14 each	102145-1002R	PS	RES,SMT 0402,1K,1%,1/16 WATT MATL	R77, R78, R80, R83, R87, R89, R283, R287, R292, R300, R311, R315, R304, R293	
		EIA0402		r402-25	26279	RC0402FR-0711KL
225	1 each	102145-3013R	PS	RES,SMT 0402,30.1K OHM,1%,1/16 WATT MATL	R187	
		EIA0402		r402-25	8999	ERJ-2RKF3012X

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
230	1 each	102145-3924R EIA0402	PS	RES,SMT 0402,392K,1%,1/16 WATT MATL r402-25	R33 9989	ERJ-2RKF3923X
231	1 each	102145-4023R EIA0402	PS	RES,SMT 0402,40.2K OHM,1%,1/16 WATT MATL r402-25	R231 9989	ERJ-2RKF4022X
232	1 each	102145-4991R EIA0402	PS	RES,SMT 0402,499 OHM,1%,1/16 WATT MATL r402-25	R24 9969	ERJ-2RKF4990X
233	1 each	102145-5103R EIA0402	PS	RES,SMT 0402,51K OHM,1%,1/16 WATT MATL r402-25	R185 9989	ERJ-2RKF5102X
234	1 each	102145-5604R EIA0402	PS	RES,SMT 0402,560K,1%,1/16 WATT MATL r402-25	R232 9989	ERJ-2RKF5603X
235	1 each	102145-7503R EIA0402	PS	RES,SMT 0402,75K OHM,1%,1/16 WATT MATL r402-25	R28 9989	ERJ-2RKF7502X
236	1 each	102145-8254R EIA0402	PS	RES,SMT 0402,825K,1%,1/16 WATT MATL r402-25	R51 9989	ERJ-2RKF8253X
250	7 each	100687-0001R EIA0603	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL r603-35X45	R38, R39, R40, R120, R338, R339, R340 57086	ERJ-3GEY0R00V
251	2 each	100687-1001R EIA0603	PS	RES,SMT 0603,100 OHM,5%,1/16 WATT MATL r603-35X45	R108, R107 58179	ERJ-3GEYJ101V
252	4 each	100687-1503R EIA0603	PS	RES,SMT 0603,15K OHM,5%,1/16 WATT MATL r603-35X45	R404, R406, R410, R440 6178	RC0603JR-0715KL
253	1 each	100687-2200R EIA0603	PS	RES,SMT 0603,22 OHM,5%,1/16 WATT MATL r603-35X45	R226 7501	ERJ-3GEYJ220V
254	1 each	100687-2005R EIA0603	PS	RES,SMT 0603,2M OHM,5%,1/16 WATT MATL r603-35X45	R147 4989	ERJ-3GEYJ205V
255	1 each	101693-4990R EIA0603	PS	RES,SMT 0603,49.9 OHM,.5%,1/16 WATT MATL r603-35X45	R50 2937	RR0816Q-49R9-D-68R

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
256	4 each	100687-5602R	PS	RES,SMT 0603,5.6K OHM,5%,1/16 WATT MATL	R179, R180, R190, R191	
		EIA0603		r603-35x45	18193	ERJ-3GEYJ562V
257	16 each	100687-5103R	PS	RES,SMT 0603,51K OHM,5%,1/16 WATT MATL	R66, R67, R68, R281, R289, R294, R305, R307, R309, R312, R313, R319, R323, R325, R333, R336	
		EIA0603		r603-35X45	27674	ERJ-3GEYJ513V
270	3 each	100642-1502R	PS	RES,SMT 0603,1.5K OHM,1%,1/16 WATT MATL	R212, R63, R86	
		EIA0603		r603-35x45	14914	ERJ-3EKF1501V
271	1 each	100642-1003R	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT MATL	R35	
		EIA0603		r603-35x45	19269	ERJ-3EKF1002V
272	1 each	100642-1304R	PS	RES,SMT 0603,130K OHM,1%,1/16 WATT MATL	R36	
		EIA0603		r603-35x45	9927	ERJ-3EKF1303V
273	1 each	100642-1583R	PS	RES,SMT 0603,15.8K OHM,1%,1/16 WATT MATL	R119	
		EIA0603		r603-35x45	7812	ERJ-3EKF1582V
274	1 each	100642-1804R	PS	RES,SMT 0603,180K OHM,1%,1/16 WATT MATL	R254	
		EIA0603		r603-35x45	4793	RC0603FR-07180KL
275	1 each	100642-2152R	PS	RES,SMT 0603,2.15K OHM,1%,1/16 WATT MATL	R125	
		EIA0603		r603-35x45	4877	ERJ-3EKF2151V
276	1 each	100642-2102R	PS	RES,SMT 0603,2.1K OHM,1%,1/16 WATT MATL	R126	
		EIA0603		r603-35x45	4989	ERJ-3EKF2101V
280	1 each	100642-2402R	PS	RES,SMT 0603,2.4K OHM,1%,1/16 WATT MATL	R290	
		EIA0603		r603-35x45	4989	RC0603JR-072K4L
282	1 each	100642-2053R	PS	RES,SMT 0603,20.5K OHM,1%,1/16 WATT MATL	R127	
		EIA0603		r603-35x45	9710	ERJ-3EKF2052V
285	1 each	100642-2214R	PS	RES,SMT 0603,221K OHM,1%,1/16 WATT MATL	R234	
		EIA0603		r603-35x45	8366	ERJ-3EKF2213V
286	3 each	100642-2671R	PS	RES,SMT 0603,267 OHM,1%,1/16 WATT MATL	R353, R356, R357	
		EIA0603		r603-35x45	6709	ERJ-3EKF2670V

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
287	3 each	100642-3302R EIA0603	PS	RES,SMT 0603,3.3K OHM,1%,1/16 WATT MATL r603-35x45	R450, R451, R452 4967	RC0603JR-073K3L
288	1 each	100642-3013R EIA0603	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL r603-35x45	R118 28014	ERJ-3EKF3012V
289	3 each	100642-3324R EIA0603	PS	RES,SMT 0603,332K OHM,1%,1/16 WATT MATL r603-35x45	R48, R54, R256 4967	ERJ-3EKF3323V
290	1 each	100642-3924R EIA0603	PS	RES,SMT 0603,392K OHM,1%,1/16 WATT MATL r603-35x45	R37 4989	RC0603FR-07392KL
291	2 each	100642-4992R EIA0603	PS	RES,SMT 0603,4.99K OHM,1%,1/16 WATT MATL r603-35x45	R121, R334 14095	ERJ-3EKF4991V
295	1 each	100642-4753R EIA0603	PS	RES,SMT 0603,47.5K OHM,1%,1/16 WATT MATL r603-35x45	R230 11048	ERJ-3EKF4752V
296	1 each	100642-4754R EIA0603	PS	RES,SMT 0603,475K OHM,1%,1/16 WATT MATL r603-35x45	R229 4894	RC0603FR-07475KL
297	4 each	100642-4990R EIA0603	PS	RES,SMT 0603,49.9 OHM,1%,1/10 WATT MATL r603-35x45	R2, R3, R4, R5 26998	ERJ-3EKF49R9V
300	1 each	100642-4993R EIA0603	PS	RES,SMT 0603,49.9K OHM,1%,1/16 WATT MATL r603-35x45	R427 3949	ERJ-3EKF4992V
301	1 each	100642-5624R EIA0603	PS	RES,SMT 0603,562K OHM,1%,1/16 WATT MATL r603-35x45	R139 4989	ERJ-3EKF5623V
302	1 each	100642-6652R EIA0603	PS	RES,SMT 0603,6.65K OHM,1%,1/16 WATT MATL r603-35x45	R196 12083	ERJ-3EKF6651V
303	1 each	100642-6812R EIA0603	PS	RES,SMT 0603,6.81K OHM,1%,1/16 WATT MATL r603-35x45	R90 3004	ERJ-3EKF6811V
304	1 each	100642-6804R EIA0603	PS	RES,SMT 0603,680K OHM,1%,1/16 WATT MATL r603-35x45	R34 4989	ERJ-3EKF6803V

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
305	12 each	100642-7500R	PS	RES,SMT 0603,75 OHM,1%,1/16 WATT MATL	R56, R75, R88, R105, R106, R352, R99, R100, R101, R133, R141, R146	
		EIA0603		r603-35x45	30314	ERJ-3EKF75R0V
306	1 each	100642-8254R	PS	RES,SMT 0603,825K OHM,1%,1/16 WATT MATL	R252	
		EIA0603		r603-35x45	3941	ERJ-3EKF8253V
307	1 each	100642-8203R	PS	RES,SMT 0603,82K OHM,1%,1/16 WATT MATL	R261	
		EIA0603		r603-35x45	4978	RC0603FR-0782KL
320	18 each	102598-0002R	PS	RES,SMT 1206,.02 OHM,2%,1/2 WATT MATL	R31, R41, R42, R43, R44, R45, R46, R53, R57, R61, R92, R94, R95, R103, R104, R240, R241, R242	
		EIA1206		r1206-40x70	24934	RL1632T-R020-G
325	2 each	100155-0001R	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL	PL1, PL2	
		EIA1206		r1206-40x70	15476	RC1206JR-070RL
330	1 each	102786-0001R	PS A	SPEAKER,23mm DIA.,200mW MATL	SPK1	
		SPKR-23MM		spkr-ast-02308mr	289	AST-02308MR-R
340	2 each	101184-0006R	PS	SWITCH,DIP,SMT,HALF-PITCH,6 POS. MATL	SW4, SW5	
		SMTDIPSW6A		SW6-30X50-TDA	5168	TDA06H0SB1R
341	18 each	101215-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW2, SW3, SW6, SW7, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20, SW21	
		101215		SW-40X126-EVQP1	11793	EVQP105M
342	1 each	102181-0002R	PS	SWITCH,SMT,SLIDE,2 POSITION,GULL WING MATL	SW1	
		CASD20TB		sw6-40x67_gw	2504	CAS-D20TB
350	1 each	100558-0009R	PS	CONN,DB9,MALE,RIGHT ANGLE,.318 MATL	P1	
		DB9MR-1225X475		CONN9D-6547-RT-M	1674	2100-009P
351	1 each	101833-0096R	PS	CONN,DIN,C96,MALE,STRAIGHT,TYPE R MATL	J10	
		DIN32X3M		conn96-6039-din-vert	301	PCN10-96P-2.54DSA
352	1 each	102166-0001R	PS	CONN,JACK,RJ45,INTEGRATED MAGNETICS MATL	P2	
		HF11-2450E		conn8-rt-rj45-sh-halo	4143	HFJ11-2450E-L21RL

Parts List

ASSY,DM365 EVM
SUBA

510840-0001
Rev A
Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package ION Footprint Stock Mfr P/N					
353	1 each	100677-0004R	PS	CONN,MINI-DIN,FEMALE,4 POS. MATL	J15
		749181-1		749181_1 2000	5749181-1
354	2 each	102540-0015R	PS	CONN,RCA,RIGHT ANGLE,BLUE MATL	J9, J20
		RCJ-01		rcajack-CUI-RCJ-01 2153	RCJ-015
356	2 each	102540-0016R	PS	CONN,RCA,RIGHT ANGLE,GREEN MATL	J8, J17
		RCJ-01		rcajack-CUI-RCJ-01 2249	RCJ-016
358	2 each	102540-0012R	PS	CONN,RCA,RIGHT ANGLE,RED MATL	J11, J21
		RCJ-01		rcajack-CUI-RCJ-01 2321	RCJ-012
359	2 each	102540-0014R	PS	CONN,RCA,RIGHT ANGLE,YELLOW MATL	J13, J16
		RCJ-01		rcajack-CUI-RCJ-01 2104	RCJ-014
360	1 each	101238-0001R	PS	CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm MATL	J7
		RASM712		PWR3-RASM712 7817	RASM712TRP15X
361	4 each	101012-0001R	PS	CONN,SMT,JACK,STEREO,4 POS.,3.6mm MATL	P3, P4, P5, P6
		ST-3500		st_3500 23610	STX-3500-4NTR
362	1 each	102787-0020R	PS	CONN,SMT,RECEPTACLE,20 POS.,5mm MATL	J24
		J-52745-2096		molex20-52745 989	52745-2096
363	1 each	101956-0001R	PS	CONN,SMT,RECEPTACLE,5 POS,RIGHT MATL	J1
		440247		samtec-MUSB 1456	MUSB-05-S-AB-SM-A-R-K -TR
364	1 each	102293-0001R	PS	CONN,SMT,RECEPTACLE,SD/MMC/MS MATL	J12
		SCDB1A		scdb1a 543	SCDB1C0105
365	1 each	102773-0001R	PS	CONN,SMT,RECEPTACLE,SECURE MATL	J25
		YAM-FPS009-2305		conn_fps009-2305-0 1789	FPS009-2305-0
366	3 each	100562-0015R	PS	CONN,SMT,VERTICAL,RECEPTACLE,15X2 MATL	J18, J19, J23
		SMTCON15X2A		CONN2X15-29X110-SFM 750	SFM-115-02-S-D-LC
367	1 each	100562-0030R	PS	CONN,SMT,VERTICAL,RECEPTACLE,30X2 MATL	J14
		SMTCON30X2A		CONN2X30-29X110-SFM 409	SFM-130-02-S-D-LC

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package	ION Footprint		Stock	Mfr P/N
368	1 each	100562-0005R	PS	CONN,SMT,VERTICAL,RECEPTACLE,5X2 MATL 57 per tube, 675 per reel	J22	
		SMTCON5X2A		conn2x5-amp104652	1147	SFM-105-02-S-D-A-K-TR
380	37 each	100115-0001R	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	TP1, TP2, TP31, TP32, TP33, TP34, TP38, TP40, TP41, TP51, TP52, TP3, TP4, TP6, TP39, TP5, TP7, TP8, TP10, TP24, TP27, TP30, TP36, TP37, TP46, TP47, TP48, TP49, TP50, TP53, TP54, TP20, TP21, TP25, TP28, TP26, TP35	
		CON1		tp1-6040	0	
381	19 each	100115-0002R	PL	HEADER,2 X 1,VERTICAL,PIN SUBA	T1, J6, TP9, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP22, TP23, TP29, TP42, TP43, TP44, TP45	
		CON2		JUMP1X2-6040	0	
390	1 each	100116-0003R	PL	HEADER,3 X 2,VERTICAL,PIN SUBA	J4	
		CON3X2		JUMP2X3-6040	0	
391	2 each	100116-0007R	PL	HEADER,7 X 2,VERTICAL,PIN SUBA	J2, J3	
		CON7X2		JUMP2X7-6040	4912	
392	1 each	100116-0009R	PL	HEADER,9 X 2,VERTICAL,PIN SUBA	JP1	
		CON9X2		JUMP2X9-6040	0	
395	1 each	100116-0010R	PL	HEADER,10 X 2,VERTICAL,PIN SUBA	J5	
		CON10X2		JUMP2X10-6040	0	
400	1 each	100062-0001R	PS	BATTERY HOLDER,.796 IN,1 CELL MATL	BHT1	
		BATT2C1100		batthold-key106	560	106
401	1 each	102664-0002	PS	SOCKET,GHz BGA,19x19,338 PINS,ZCE MATL	U18	
		SG-BGA-7062		sktbg-p65mm-zce	29	SG-BGA-7062
402	1 each	101606-0048R	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL	XU28	
		TSOP48SMTSOCKET		skt-tsop48sm	323	980020-48-P2-K

Parts List

ASSY,DM365 EVM
SUBA

510840-0001

Rev A

Printed 10/21/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package		ION Footprint	Stock	Mfr P/N
405	3 each	C0402-NOPOP	PS	NP	C325, C326, C336	
		EIA0402		c402-25	-23672	
406	6 each	C0603-NOPOP	PS	NP	C135, C174, C176, C179, C380, C413	
		EIA0603		c603-35x45	-30269	
410	52 each	R0402-NOPOP	PS	NP	R6, R16, R20, R21, R85, R102, R122, R123, R124, R153, R154, R155, R156, R182, R183, R192, R201, R202, R203, R204, R205, R206, R207, R208, R216, R257, R258, R259, R263, R264, R271, R285, R288, R297, R306, R308, R310, R322, R329, R335, R393, R394, R395, R420, R434, R355, R98, R195, R320, R342, R354, R366	
		EIA0402		r402-25	-240128	
412	5 each	R0603-NOPOP	PS	NP	R9, R10, R411, R49, R55	
		EIA0603		r603-35X45	-31359	
415	1 each	R2512-NOPOP	PS	NP	R199	
		EIA2512		R2512	-2211	
420	1 each	NO-POP	PS	NP	D7	
		NO-POP			-1887045	