

NOTE: DNI--> DO NOT INSTALL(PACKOUT); DNP--> DO NOT PROCURE

ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION	COMMENTS
1	3V3, VBAT, BLVOUT	-	3	5005	KEYSTONE	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; RED; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
2	C1-C4, C22	-	5	CL10B106MQ8NRN	SAMSUNG ELECTRONICS	10UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 10UF; 6.3V; TOL=20%; MODEL=CL SERIES; TG=-55 DEGC TO +125 DEGC; TC=X7R	
3	C5	-	1	CO6063KRX7R6B224	YAGEO	0.22UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 0.22UF; 10V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
4	C6, C8, C10, C11, C14, C15, C17, C19, C24, C25, C28, C29, C31, C35, C37, C38, C46, C66, C95, C99, C100	-	22	GRM188R72A104KA35	MURATA	0.1UF	CAP; SMT (0603); 0.1UF; 10V; X7R; CERAMIC CHIP CAPACITOR; SMT (0603); CERAMIC CHIP; 2.2UF; 50V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R	
5	C7, C23, C39, C42, C57	-	5	GRM188R61H225KE11	MURATA	2.2UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 1UF; 50V; TOL=10%; MODEL=_MK SERIES; TG=-55 DEGC TO +85 DEGC CAPACITOR; SMT (0402); CERAMIC CHIP; 100PF; 50V; TOL=5%; MODEL=HT SERIES; TG=-55 DEGC TO +200 DEGC; TC=CG	
6	C9, C12, C16, C18, C26, C48, C54, C55, C63	-	9	UMK107B110SKA-T; C1608XSRI1H105K080AB; CL10A105K8BNNN; GRM188R61H105KAAAL	TAIYO YUDEN;TDK;SAMSUNG;MURATA	1UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 1UF; 50V; TOL=10%; MODEL=_MK SERIES; TG=-55 DEGC TO +85 DEGC CAPACITOR; SMT (0402); CERAMIC CHIP; 100PF; 50V; TOL=5%; MODEL=HT SERIES; TG=-55 DEGC TO +200 DEGC; TC=CG	
7	C13, C68	-	2	C0402H101J5GAC	KEMET	100PF	CAPACITOR; SMT (0805); CERAMIC CHIP; 4.7UF; 50V; TOL=10%; MODEL=_; TG=-55 DEGC TO +85 DEGC; TC=X5R	
8	C21	-	1	GRM218R61H475KE51	MURATA	4.7UF	CAPACITOR; SMT (1210); CERAMIC CHIP; 10UF; 25V; TOL=20%; MODEL=_; TG=-55 DEGC TO +125 DEGC; TC=X7R; CAPACITOR; SMT (0402); CERAMIC CHIP; 1000PF; 100V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R CAPACITOR; SMT (CASE_F); ALUMINUM-ELECTROLYTIC; 47UF; 50V; TOL=20%; MODEL=TG SERIES; TG=-40 DEGC TO +125 DEGC	
9	C27	-	1	GRM31CR71E106KA12	MURATA	10UF	CAPACITOR; SMT (1210); CERAMIC CHIP; 4.7UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R CAPACITOR; SMT (0402); CERAMIC CHIP; 22UF; 10V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
10	C30, C40, C44, C45, C47, C50, C52, C69, C71, C73, C74, C77, C80, C86	-	16	GRM155R72A102KA01	MURATA	1000PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 10PF; 50V; TOL=5%; TG=-55 DEGC TO +125 DEGC; TC=CG	
11	C32, C49, C67	-	3	EE-TG1H470UP	PANASONIC	47UF	CAPACITOR; SMT (1210); CERAMIC CHIP; 4.7UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R CAPACITOR; SMT (1210); CERAMIC CHIP; 22UF; 10V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R	
12	C33, C43, C64	-	3	C1210C475KSRAC; GRM32ER71H475KA88K; GRM32ER71H475KA88L	KEMET;MURATA;MURATA	4.7UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 10PF; 50V; TOL=5%; TG=-55 DEGC TO +125 DEGC; TC=CG	
13	C34, C36	-	2	GRM32ER71A226K	MURATA	22UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 3.3UF; 4V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
14	C41	-	1	C0402CG050-100KNP	VENKEL LTD.	10PF	CAPACITOR; SMT (0603); CERAMIC CHIP; 0.047UF; 50V; TOL=10%; MODEL=X7R; TG=-55 DEGC TO +125 DEGC; TC= CAPACITOR; SMT (0402); CERAMIC CHIP; 10PF; 50V; TOL=5%; TG=-55 DEGC TO +125 DEGC; TC=CG	
15	C53, C72, C85	-	3	C0603C473KSRAC; GCM188R71H473K; GRM188R71H473K	KEMET;MURATA;MURATA	0.047UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 22UF; 10V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R CAPACITOR; SMT (0402); CERAMIC CHIP; 3.3UF; 4V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
16	C56	-	1	C0402C100J5GAC; GRM1555C1H100IA01	KEMET;MURATA	10PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 2200PF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R CAPACITOR; SMT (0402); CERAMIC CHIP; 3.3UF; 4V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
17	C58	-	1	C0402X7R500-222XNE; GRM155R71H222KA01	VENKEL LTD.;MURATA	2200PF	CAPACITOR; SMT (0805); CERAMIC CHIP; 2.2UF; 50V; TOL=10%; MODEL=_; TG=-55 DEGC TO +125 DEGC; TC=X7R	
18	C60	-	1	C0402X7R100-683JNP	VENKEL LTD.	0.068UF	CAPACITOR; SMT (0805); CERAMIC CHIP; 2.2UF; 50V; TOL=10%; MODEL=_; TG=-55 DEGC TO +125 DEGC; TC=X7R	
19	C62	-	1	C2012X7R1H225K	TDK VENKEL LTD.;SAMSUNG	2.2UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.1UF; 16V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R; CAPACITOR; SMT (0402); CERAMIC CHIP; 3.3UF; 4V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R	
20	C75, C76, C79, C81, C83, C84, C88	-	7	C0402X7R160-104KNE; C1058104K05NNNC; GRM155R71C104KA88; C1005X7R1C104K; CC0402KRX7R78B104; EMK105B7104V	ELECTRONICS;MURATA;TDK;YAGEO PHICOMP;TAIYO YUDEN	0.1UF	CAPACITOR; SMT (0603); CERAMIC; 4.7UF; 6.3V; TOL=20%; MODEL=C SERIES; TG=-55 DEGC TO +85 DEGC; TC=X5R CAPACITOR; SMT (0603); CERAMIC CHIP; 10UF; 16V; TOL=20%; TG=-25 DEGC TO +85 DEGC; TC=H DIODE; SS; SMT (SOT-23); PIV=100V; IF=0.2A DIODE; SWT; SMT (SOT-23); PIV=150V; IF=0.1A DIODE; SCH; SMB (DO-214AA); PIV=60V; IF=1A DIODE; SCH; SURFACE MOUNT SCHOTTKY POWER RECTIFIER; SMB; PIV=60V; IF=2A	
21	C78, C89	-	2	AMK105B1335MV-F	TAIYO YUDEN	3.3UF	DIODE; SCH; TO-277A; PIV=30V; IF=15A TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; GREEN; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
22	C82, C87, C90-C93, C96, C98	-	8	C1608XSRO475M080AB; GRM188R60475ME19; JMKI07B1475MA-T	TDK;MURATA;TAIYO YUDEN	4.7UF	DIODE; LED; SML-21 SERIES; GREEN; SMT (0805); PIV=2V; IF=0.02A DIODE; LED; SML-21 SERIES; RED; SMT (0805); PIV=2V; IF=0.02A	
23	C94	-	1	C1608J1C106M080AB	TDK	10UF	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; BLACK; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;	
24	D1-D4	-	4	MMBD1485E	FAIRCHILD SEMICONDUCTOR	MMBD1485E	CONNECTOR; TH; MALE, SALES ASSY-HIGH TEMP DUAL ROW WAFER WITH BREAK-OFF OPTION, 14PINS, STR CONNECTOR; MALE, THROUGH HOLE, BREAKAWAY; STRAIGHT; 10PINS; -65 DEGC TO +125 DEGC CONNECTOR; TH; MALE, SALES ASSY-HIGH TEMP DUAL ROW WAFER WITH BREAK-OFF OPTION, 12PINS, STR INDUCTOR; SMT; CORE MATERIAL= COMPOSITE; 0.60UH; TOL=+/ -20%; 11.7A	
25	D6	-	1	CMPD914E	CENTRAL SEMICONDUCTOR	CMPD914E	INDUCTOR; SMT; FERRITE CORE; 10UH; TOL=+/ -20%; 1.3A INDUCTOR; SMT (1206); FERRITE-BEAD; 1000; TOL=+/ -25%; 11.5A	
26	D7	-	1	B1608-13-F	DIODES INCORPORATED	B1608-13-F	INDUCTOR; SMT; COMPOSITE CORE; 2.2UH; TOL=+/ -20%; 11.5A	
27	D8	-	1	NRVBS260T3G	ON SEMICONDUCTOR	NRVBS260T3G	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
28	D9	-	1	SS15P35-M3	VISHAY GENERAL SEMICONDUCTOR	SS15P35-M3	INDUCTOR; SMT; FERRITE CORE; 10UH; TOL=+/ -20%; 1.3A INDUCTOR; SMT (1206); FERRITE-BEAD; 1000; TOL=+/ -25%; 11.5A	
29	DIM	-	1	5121	KEYSTONE	N/A	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
30	DS1, DS4	-	2	SML-210MTT86	ROHM	SML-210MTT86	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
31	DS2, DS3	-	2	SML-210VTT86	ROHM	SML-210VTT86	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
32	GND1, GND2	-	2	5006	KEYSTONE	N/A	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
33	J1	-	1	10-89-7142	MOLEX	10-89-7142	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
34	J2	-	1	PBC105AAN	SULLINS ELECTRONICS CORP.	PBC105AAN	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
35	J7	-	1	PI-002AH	CLUI INC.	PI-002AH	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
36	J8	-	1	90120-0762	MOLEX	90120-0762	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
37	J10	-	1	5952AX-400A5-A	ROSENBERGER	5952AX-400A5-A	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
38	J14	-	1	10-89-7122	MOLEX	10-89-7122	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
39	L1, L5	-	2	XAL4020-601ME	COILCRAFT	0.60UH	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
40	L2	-	1	LP56225-103MR	COILCRAFT	10UH	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
41	L3	-	1	742792141	WURTH ELECTRONICS INC	1000 1A	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
42	L4	-	1	XFL5030-222ME	COILCRAFT	2.2UH	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
43	L6	-	1	M551246T-472ML	COILCRAFT	4.7UH	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
44	L7-L10	-	4	BLM185G121TN1	MURATA	120	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
45	Q1	-	1	SUD50P04-08	VISHAY SILICONIX	SUD50P04-08	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
46	Q2	-	1	NVMF55826NL1TG	ON SEMICONDUCTOR	NVMF55826NL1TG	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
47	Q3	-	1	2N7002WT1G	ON SEMICONDUCTOR	2N7002WT1G	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
48	R1	-	1	ERJ-2RKF9102	PANASONIC	91K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
49	R2, R33	-	2	CRCW040210R0FK; 9CD4021A10R0FL	VISHAY DALE;YAGEO	10	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
50	R3	-	1	CRCW04023K00FK	VISHAY DALE	3K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
51	R4, R8, R14, R35, R39-R42, R46, R50, R51	-	11	CRCW040210K0FK; RCD402FR-0710K	VISHAY DALE;YAGEO PHICOMP	10K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
52	R5, R16	-	2	CRCW04022K00FK	VISHAY DALE	20K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
53	R6	-	1	PNM0402E5001BS	VISHAY DALE	5K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
54	R7	-	1	ERJ-2RKF1403X	PANASONIC	140K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
55	R9	-	1	CRCW040215K8FK	VISHAY DALE	15.8K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
56	R11, R12, R54, R59	-	4	ERJ-2GEDR00X	PANASONIC	0	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
57	R13	-	1	ERJ-2RKF1743X	PANASONIC	174K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
58	R15	-	1	CRCW040212K1FK	VISHAY DALE	12.1K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
59	R17-R19, R21, R23, R24, R60	-	7	CRCW040210K0FK; RCD402FR-0710KDL	VISHAY DALE;YAGEO PHICOMP	100K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	
60	R22	-	1	CRCW040218K0FK	VISHAY DALE	18K	INDUCTOR; SMT; FERRITE CORE; 4.7UH; TOL=+/ -20%; 9.70A	

61	R25	-	1	CRCW04021K00FK; RCD402FR-071K4L	VISHAY DALE;YAGEO PHICOMP	1.4K	RESISTOR; 0402; 1.4K OHM; 1%; 100PPM; 1/6W; THICK FILM	
62	R26	-	1	CRCW06035R10FN	VISHAY DALE		5.1 RESISTOR; 0603; 5.1 OHM; 1%; 100PPM; 0.10W; THICK FILM	
63	R27	-	1	ERJ-2RKf3741	PANASONIC	3.74K	RESISTOR; 0402; 3.74K OHM; 1%; 100PPM; 0.1W; THICK FILM	
64	R28	-	1	ERJ-2RKf7151	PANASONIC	7.15K	RESISTOR; 0402; 7.15K OHM; 1%; 100PPM; 0.1W; THICK FILM	
65	R29	-	1	WSL2010R0400FEA18	VISHAY DALE		0.04 RESISTOR; 2010; 0.04 OHM; 1%; 75PPM; 1W; THICK FILM	
66	R32	-	1	ERJ-2RKf8061X	PANASONIC	8.06K	RESISTOR; 0402; 8.06K OHM; 1%; 100PPM; 0.10W; THICK FILM	
67	R34	-	1	CRCW0402270KFK	VISHAY DALE	270K	RESISTOR; 0402; 270K OHM; 1%; 100PPM; 0.0625W; THICK FILM	
68	R36	-	1	CR0402-16W-1332F7; CRCW040213K3FK	VENKEL LTD.;VISHAY DALE	13.3K	RESISTOR; 0402; 13.3K OHM; 1%; 100PPM; 0.063W; THICK FILM	
69	R37, R52, R53	-	3	CRCW040249K9FK; 9CD4021A4992FLHF3	VISHAY DALE;YAGEO	49.9K	RESISTOR; 0402; 49.9K; 1%; 100PPM; 0.0625W; THICK FILM	
70	R55-R58	-	4	CRCW04021K00FK; RCD402FR-071K1	VISHAY DALE;YAGEO PHICOMP	1K	RESISTOR; 0402; 1K; 1%; 100PPM; 0.0625W; THICK FILM	
71	U1	-	1	MAX20067	MAXIM	MAX20067	EVKIT PART-IC; INF-C; AUTOMOTIVE 3-CHANNEL DISPLAY BIAS IC WITH LINEAR REGULATOR AND I2C INTERFACE; TQFN32-EP	
72	U2	-	1	MAX20003ATPB/V+	MAXIM	MAX20003ATPB/V+	IC; CONV; 36V; 220KHZ TO 2.2MHZ; 3A FULLY INTEGRATED STEP-DOWN CONVERTER WITH 15MICROAMP OPERATING CURRENT; TQFN20-EP	
73	U3	-	1	MAX20444-6	MAXIM	MAX20444-6	EVKIT PART-IC; AUTOMOTIVE 4-CHANNEL BACKLIGHT DRIVER WITH BOOST CONTROLLER AND I2C INTERFACE; PKG. OUTLINE DWG. NO.: 21-0139; PKG. CODE: T2444+4C	
74	U4	-	1	MAX9278AGTM+	MAXIM	MAX9278AGTM+	EVKIT PART; IC; DSRLR2; 3.12GBPS GMSL DESERIALIZER FOR COAX/STP INPUT AND LVDS OUTPUT; TQFN48-EP	FOR MAX9278AC0AxEVKIT USE
75	PCB	-	1	DISPLAY_SERDES_APPS_P1	MAXIM	PCB	PCB.DISPLAY_SERDES_APPS_P1	MAX9278AGTM+ OR MAX9278AGTM/V+ OR MAX9282A USE MAX9282AGTM+ OR MAX9282AGTM/V+
76	C20, C65	DNP	0	C0402H101J5GAC	KEMET	100PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 100PF; 50V; TOL=5%; MODEL=HT SERIES; TG=55 DEGC TO +200 DEGC; TC=CG	
77	C59, C61	DNP	0	N/A	N/A	OPEN	CAPACITOR; SMT (0402); OPEN; FORMFACTOR	
78	C101	DNP	0	GRM155R72A102KA01	MURATA	1000PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 1000PF; 100V; TOL=10%; TG=55 DEGC TO +125 DEGC; TC=X7R	
79	D5	DNP	0	MBR120VLSFT1G	ON SEMICONDUCTOR	MBR120VLSFT1G	DIODE; SCH; SMT (50D-123LF); PIV=20V; IF=1.0A	
80	J9	DNP	0	803-87-020-20-001101	PRECI-DIP SA	803-87-020-20-001101	EVKIT PART-CONNECTOR; FEMALE; TH; DOUBLE ROW; 2.54MM; RIGHT ANGLE SOLDER TAIL; MATING PIN DIA 0.76MM; RIGHT ANGLE; 20PINS;	
81	J11	DNP	0	10-89-7122	MOLEX	10-89-7122	CONNECTOR, TH, MALE, SALES ASSY-HIGH TEMP DUAL ROW WAFER WITH BREAK-OFF OPTION, 12PINS, STR	
82	J16	DNP	0	22-28-4043	MOLEX	22-28-4043	CONNECTOR; MALE; THROUGH HOLE; FLAT VERTICAL BREAKAWAY; STRAIGHT; 4PINS	
83	R10, R20	DNP	0	CRCW040210R0FK; 9CD4021A10R0FL	VISHAY DALE;YAGEO	10	RESISTOR; 0402; 10 OHM; 1%; 100PPM; 0.0625W; THICK FILM	
84	R30, R31	DNP	0	N/A	N/A	OPEN	RESISTOR; 0402; OPEN; FORMFACTOR	
85	R38, R43-R45, R47-R49	DNP	0	CRCW040210K0FK; RCD402FR-0710K	VISHAY DALE;YAGEO PHICOMP	10K	RESISTOR; 0402; 10K; 1%; 100PPM; 0.0625W; THICK FILM	
TOTAL			187					