

Bill of Materials

Part Number: 89-K1894#-0MB
Revision: 3.2
Date: 4/20/2016



Notes:

DO NOT INSTALL COMPONENTS WITH **NO LOAD** or **NL**.

Part substitution is not allowed when the corresponding cell includes "No".

Any part substitutions must be reported to engineering.

Designator	Comment	Description	Quantity	Manufacturer 1	Manufacturer Part Number 1	Part Substitution Allowed?
C1, C28, C29, C30	NO LOAD	0603 Cap No Load	4			
C2, C3, C4, C6, C8, C27, C32, C40, C42	NO LOAD	0402 Cap No Load	9			
C5, C19	10uF	Cap 10uF 0805	2	Murata Electronics North America	GRM21BR71A106KE51L	Yes
C7, C24	4.7uF	Cap 4.7uF 0805	2	TDK Corporation	C2012X7R1A475M125AC	Yes
C9, C10	NO LOAD	Cap 10uF 0805	2	Murata Electronics North America	GRM21BR71A106KE51L	N/A
C23, C41	0.1uF	Cap 0.1uF 0402	2	TDK Corporation	C1005X7R1A104K050BB	Yes
C25, C33, C35	1nF	1000pF 0402	3	Murata	GRM1555C1H102JA01D	Yes
C26, C31, C34	100n	100nF 0603 ceramic capacitor	3	Murata Electronics North America	GRM188R71C104KA01D	Yes
C36, C37, C38, C39	100pF	100pF 0402 Murata Capacitor	4	Murata	GRM1555C1H101JZ01D	Yes
R1, R2, R4, R9, R49, R50, R51, R52	10k	10k Ohm 0402	8	Yageo	RC0402FR-0710KL	Yes
R3, R6, R26, R40, R41, R42, R43, R46, R48, R61, R65	0 Ohm	0 Ohm 0402	11	Yageo	RC0402JR-070RL	Yes
R5, R11, C20, C21, C22, R38, R39, R44, R45, R47, R53, R56, R57, R60, R62, R63, R64	NO LOAD	NO LOAD RESISTOR 0402	17			
R7	100	RESISTOR 100 Ohm 0402	1	Panasonic Electronic Components	ERJ-2GEJ101X	Yes
R8, R10	510	RESISTOR 510 Ohm 0402	2	Yageo	RC0402JR-07510RL	Yes
R23, R24	0 Ohm	0 Ohm 0603	2	Panasonic Electronic Components	ERJ-3GEY0R00V	Yes
R54, R55, R58, R59	15k	15k Ohm 0402	4	Yageo	RC0402FR-0715KL	Yes
L1, L2	NO LOAD	NO LOAD INDUCTOR 0402	2			
J1, J5	NO LOAD	SMA RECEPTACLE END LAUNCH, Emerson 142-0701-801	2			
J2, J3, J7	SMA_EDGE	SMA RECEPTACLE END LAUNCH, Emerson 142-0701-801	3	Emerson Network Power Connectivity Johnson	142-0701-801	Yes
J4, J6, J8	NO LOAD	Two Pin Header / Jumper	3	Samtec Inc	HTSW-102-07-G-S	N/A
J9	BOX HEADER 14 pin	BOX HEADER 14 Pin	1	FCI	10056844-114LF	Yes
J10	HEADER 14 pin	14 Pin Header	1	TE Connectivity	4-103186-0-14	Yes
J11, J14	NO LOAD	Banana Supply Connector Red	2	Deltron	571-0500	N/A
J12	UFL-R-SMT_1	Banana Supply Connector Red	1	Deltron	571-0500	Yes
J13	UFL-R-SMT_2	Banana Supply Connector Black	1	Deltron	571-0100	Yes
J15	NO LOAD	ERF8-013-01-S-D-RA-L	1	Samtec	ERF8-013-01-S-D-RA-L	N/A
MT1, MT2, MT3, MT4	Standoff	Mounting Hole / STANDOFF	4	Keystone Electronics	8400	Yes
MT1N, MT2N, MT3N, MT4N	Standoff	Mounting Hole / STANDOFF	4	B&F Fastener Supply	HNZ 440	Yes
PRINTED CIRCUIT BOARD	RDB3.10_R2.1	SC1894-MB (RDB3.10_R2.1)	1		SC1894-MB	Yes
Q2	MMBT3904		1	FAIRCHILD SEMICONDUCTOR	MMBT3904	Yes
Q3	2N7002		1			Yes
SW1	B3S-1000P	Pushbutton Switch	1	Omron Electronics Inc-EMC Div	B3S-1000P	Yes
D1, D2	NO LOAD	Green LED	2			
U1	NO LOAD	RF Amplifier MGA-30889-BLKG	1			
U2	NO LOAD	IC Buffer	1			
U3	EP5358HUI	Enpirion Voltage Regulator	1	Enpirion	EP5358HUI	No
U4	EP53A8HQI	Enpirion Voltage Regulator	1	Enpirion	EP53A8HQI	No
U5	NO LOAD	RF Power Detector	1	Maxim Integrated	MAX2203EWT+T	N/A
U6	TMP36GRT	Temp Sensor	1	ANALOG DEVICES	TMP36GRTZ-REEL7	Yes
U8	NO LOAD	Temp Sensor	1			
U9	LMV324	Quad OpAmp LMV324QDR	1	Texas Instruments	LMV324QDR	Yes