



Microchip Technology Incorporated
2355 W. Chandler Blvd.
Chandler, AZ 85224-6199

KEY	
CR: Cross	Drawing
CS: Consign	BOM
PL: Pack List	Part
RoHS: Lead Free	Label

Bill of Materials

ASSEMBLY NUMBER: 102-00410 REV: 1 Part No: MCP16301
ASSEMBLY NAME: MCP16301 Cuk LED Driver

Qty	Reference	Description	Mfgr.	Vendor/Part Number	Distributor	Part Number	R S	H Rev	C R	C S	P L	Type
1	1	-	-	102-00410-D	-	-		1	N	N	N	D
2	1	-	-	103-00410	-	-		1	N	N	N	D
3	1	-	-	104-00410-D	-	-		1	N	N	N	D
4	1	-	-	105-00410	-	-		1	N	N	N	D
5	1	-	-	113-00410	-	-		1	N	N	N	D
6	1	-	-	108-00004	-	-		2	N	N	N	LBL
7	1	-	-	104-00410	-	-	Y	1	Y	N	N	P
8	1	C1	Murata Electronics North America	490-3328-1-ND	Digi-Key	GRM21BR71H474KA88L	Y	1	Y	N	N	P
9	1	C2	Taiyo Yuden	587-2673-2-ND	Digi-Key	UMK325B7475KM-T	Y	1	Y	N	N	P
10	1	C3	AVX Corporation	478-1239-1-ND	Digi-Key	0603YC104KAT2A	Y	1	Y	N	N	P
11	1	C4	TDK Corporation	445-1309-1-ND	Digi-Key	C1608X7R1H222K	Y	1	Y	N	N	P
12	1	R1	Panasonic-ECG	P100KHCT-ND	Digi-Key	ERJ-3EKF1003V	Y	1	Y	N	N	P
13	1	R2	Panasonic-ECG	P150KHCT-ND	Digi-Key	ERJ-3EKF1503V	Y	1	Y	N	N	P
14	1	R6	Panasonic-ECG	P2.7VCT-ND	Digi-Key	ERJ-14YJ2R7U	Y	1	Y	N	N	P
15	1	D1	Diodes Inc	1N4448WS-FDICT-ND	Digi-Key	1N4448WS-7-F	Y	1	Y	N	N	P
16	1	D2	Diodes Inc	B140-FDICT-ND	Digi-Key	B140-13-F	Y	1	Y	N	N	P
17	4	D3;D4;D5;D6	Avago Technologies US Inc.	ASMT-JN32-NUV01-ND	Digi-Key	ASMT-JN32-NUV01	Y	1	Y	N	N	P
19	1	L1	Coilcraft	MSS1038-333ML_	Coilcraft	MSS1038-333ML_	Y	1	N	Y	N	P
20	1	U1	Microchip	MCP16301T-E/CH	Microchip	MCP16301T-E/CH	Y	1	N	Y	N	P
23	2	TP1;TP2	Harwin Inc	952-1478-1-ND	Digi-Key	S1751-46R	Y	1	Y	N	N	P
24	4		3M	SJ5007-0-ND	Digi-Key	SJ-5007 (BLACK)	Y	1	Y	N	N	P

