



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

## Product Tree

ASSEMBLY NUMBER: 114-00352      REV: 1      LAST ECO: None      Part No: ADM00352

ASSEMBLY NAME: MCP16301 Demo Board

Part Number	Rev	Type	Description
111-00352	1	B	CM ASSY, MCP16301 Demo Board
102-00352	1	B	PCB ASSY, MCP16301 Demo Board
102-00352-D	1	D	PCB ASSY DWG, MCP16301 Demo Board
103-00352	1	D	SCHEMATIC, MCP16301 Demo Board
104-00352-D	1	D	PCB FABRICATION DWG, MCP16301 Demo Board
105-00352	1	D	GERBER FILES, MCP16301 Demo Board
113-00352	1	D	TEST PROCEDURE, MCP16301 Demo Board
108-00004	2	LBL	LABEL, AIPD ASSEMBLY AND MANUFACTURING CODE NUMBERS, VERY SMALL
108-00001	3	LBL	LABEL, AIPD PRODUCT LABEL WITH BARCODE, SMALL ( Refer to SPI 47209 )
108-00006	2	LBL	AIPD Evaluation Board Kit "Inspection" Label

KEY
D: Drawing
B: BOM
LBL: Label





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

**Bill of Materials**

ASSEMBLY NUMBER: 102-00352 REV: 1 Part No: ADM00352

ASSEMBLY NAME: MCP16301 Demo Board

Qty	Referenc	Description	Mfgr.	Vendor/Part Number	Distributor	Part Number	R o H S	Rev	C	C	PL	Type		
1	1	-	PCB ASSY DWG, MCP16301 Char. Board 15V option	-	-	102-00359-D	-	-	1	N	N	N	D	
2	1	-	SCHEMATIC, MCP16301 Char. Board 15V option	-	-	103-00359	-	-	1	N	N	N	D	
3	1	-	PCB FABRICATION DRAWING, MCP16301 Char. Board 15V option	-	-	104-00359-D	-	-	1	N	N	N	D	
4	1	-	Gerber Files, 105-00359R1.ZIP MCP16301 Char. Board 15V option	-	-	105-00359	-	-	1	N	N	N	D	
5	1	-	MCP16301 Char. Board 15V option Test Procedure	-	-	113-00359	-	-	1	N	N	N	D	
6	1	-	Label, AIPD Assembly and Serial Numbers, Very Small	-	-	108-00004	-	-	2	N	N	N	LBL	
7	1	PCB	RoHS Compliant Bare PCB, MCP16301 Char. Board 15V option	-	-	104-00359	-	-	Y	1	Y	N	N	P
8	2	C1; C2	CAP 4.7uF 50V CERAMIC X7R 1210 10%	Taiyo Yuden	-	587-2673-2-ND	Digi-Key	UMK325B7475KM-T	Y	1	Y	N	N	P
9	2	C3;C4	CAP 10uF 6.3V CERAMIC X7R 0805 10%	Taiyo Yuden	-	587-2396-1-ND	Digi-Key	JMK212B7106KG-T	Y	1	Y	N	N	P
10	1	C5	CAP 0.1uF 16V CERAMIC X7R 0603 10%	AVX Corporation	-	478-1239-1-ND	Digi-Key	0603YC104KAT2A	Y	1	Y	N	N	P
11	1	R1	RES 100K OHM 1/8W 1% 0805 SMD	Panasonic-ECG	-	P100KCCT-ND	Digi-Key	ERJ-6ENF1003V	Y	1	Y	N	N	P
12	1	R2	RES 10 OHM 1/8W 1% 0805 SMD	Panasonic-ECG	-	P10.0CCT-ND	Digi-Key	ERJ-6ENF10R0V	Y	1	Y	N	N	P
13	1	R3	RES 31.6K OHM 1/8W 1% 0805 SMD	Panasonic-ECG	-	P31.6KCCT-ND	Digi-Key	ERJ-6ENF3162V	Y	1	Y	N	N	P
14	1	R4	RES 10.0K OHM 1/8W 1% 0805 SMD	Panasonic-ECG	-	P10.0KCCT-ND	Digi-Key	ERJ-6ENF1002V	Y	1	Y	N	N	P
15	1	D1	DIODE SCHOTTKY 40V 1A SMA	Diodes Inc	-	B140-FDICT-ND	Digi-Key	B140-13-F	Y	1	Y	N	N	P





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**PACK LIST**

**ASSEMBLY NUMBER:** 114-00352      **REV:** 1      **Part No:** ADM00352

**ASSEMBLY NAME:** MCP16301 Demo Board

111-00352 CM ASSY, MCP16301 Demo Board				Rev: 1	Check Off
Qty	Part Number		Description		
1	1	102-00352	PCB ASSY, MCP16301 Demo Board		
2	1	-	DOC, 'IMPORTANT INFORMATION' For MCP16301 Demo Board		