

CUSTOMER DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
1	CDXXXX	NEW RELEASE	SEP.25,2013	YH
2	CDXXXX	UPDATE DRAWING	SEP.26,2013	YH
3	CDXXXX	UPDATE DRAWING	NOV.22,2013	YH
4	CDXXXX	ADD A DIMENSION AND UPDATE DRAWING	APR.30,2014	YH



NOTE:

- MATERIAL:
PLASTIC: LCP, UL 94V-0, BLACK
CONTACT: COPPER ALLOY
BOARD LOCK: ALLOY
- FINISHED:
CONTACT AREA: SEE P/N SYSTEM
SOLDER AREA: GOLD FLASH
BOARD LOCK: TIN PLATING
UNDERPLATED: NI PLATING
- ELECTRICAL PERFORMANCE:
3.1 CURRENT RATING: 0.5A PER PIN, VOLTAGE RATING: 50 VAC PER PIN
3.2 DIELECTRIC STRENGTH: 300V AC FOR 1 MINUTE
3.3 INSULATION RESISTANCE: 500MΩ MIN
3.4 CONTACT RESISTANCE: 55mΩ MAX
3.5 OPERATION TEMPERATURE: -40°C TO +80°C
- DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994
- MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC# S-SN-002
FOR HALOGEN FREE PRODUCTS, ALSO NEED TO MEET # S-SN-004

ORDER P/N SYSTEM:

MDT XXX X XX 001

CONNECTOR HEIGHT

XXX	DIM E	DIM F
580	5.80MAX	4.14MAX
420	4.20MAX	2.54MAX
320	3.20MAX	1.54MAX
275	2.75MAX	0.89MAX
245	2.45MAX	0.61MAX

PLATING

- 01 0.76 MICRONS GOLD PLATING
02 0.38 MICRONS GOLD PLATING
03 GOLD FLASH

CONNECTOR KEY ID

- A - KEY A
B - KEY B
E - KEY E
M - KEY M
...

PROPOSAL DRAWING

M	14.0	2.0	1.375	6.125	
E	5.5	10.5	1.125	-2.625	
B	2.5	13.5		-5.625	
A	1.5	14.5		-6.625	
KEY ID	DIM.A	DIM.B	DIM.C	DIM.D	REMARK
UNLESS OTHERWISE SPECIFIED TOLERANCES					
U.S. METRIC					
.X +/- 0.50					
.XX +/- 0.25					
.XXX +/-					
FRACTIONS +/-					
ANGLES +/- 5°					
FOR MATERIALS AND FINISHES SEE NOTES					
REMOVE SHARP EDGES					
DIMENSIONS					
U.S. INCHES					
(METRIC) (MM)					
APPROVAL					
DATE					
DRAWN Yunx.liu					
CHECKED LY.YI					
APPROVED					
DRAWING FILE :					
DRAWING\MDT\CMDTXXXXXX001					
ANGLE OF PROJECTION					
TITLE					
Amphenol					
M.2 MINI PCIe CONECTOR					
SIZE	DRAWING NO.				REV.
A3	C MDT-XXX-X-XX-001				4
SCALE	NONE				SHEET 1 OF 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

<u>MDT420E01001</u>	<u>MDT420B03001</u>	<u>MDT275E02001</u>	<u>MDT420B01001</u>	<u>MDT420A02001</u>	<u>MDT275B02001</u>
<u>MDT275M02001</u>	<u>MDT275B01001</u>	<u>MDT275E01001</u>	<u>MDT275A02001</u>	<u>MDT275B03001</u>	<u>MDT420E03001</u>
<u>MDT275M03001</u>	<u>MDT275E03001</u>	<u>MDT420A03001</u>	<u>MDT420B02001</u>	<u>MDT275M01001</u>	<u>MDT420M03001</u>
<u>MDT420E02001</u>	<u>MDT275A01001</u>	<u>MDT420M02001</u>	<u>MDT275A03001</u>	<u>MDT420A01001</u>	<u>MDT420M01001</u>