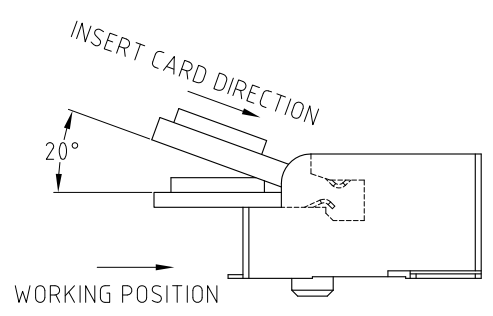


CUSTOMER DRAWING



- NOTE:
1. MATERIAL:
PLASTIC: LCP, UL 94V-0, BLACK
CONTACT: COPPER ALLOY
BOARD LOCK: ALLOY
 2. FINISHED:
CONTACT AREA: SEE P/N SYSTEM
SOLDER AREA: GOLD FLASH
BOARD LOCK: TIN PLATING 2.54um MIN
UNDERPLATED: NI PLATING 1.27um MIN.
 3. 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
 4. DIMENSIONING SHALL BE INTERPRETED PER ASME Y14.5M 1994
 5. MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC# S-SN-002
FOR HALOGEN FREE PRODUCTS, ALSO NEED TO MEET # S-SN-004
- 
- The Amphenol logo is a circular emblem located in the bottom right corner of the page. It features a green outer ring with the word "Amphenol" in white, curved text. Inside the ring is a stylized green "A" logo. Below the "A" is the year "2014" in white. The entire logo is set against a white background.

ORDER P/N SYSTEM:

DIMENSIONS

XXX	DIM E	DIM F	TOOLED
580	5.80MAX	4.14MAX	TOOLED
420	4.20MAX	2.54MAX	TOOLED

CONNECTOR HEIGHT

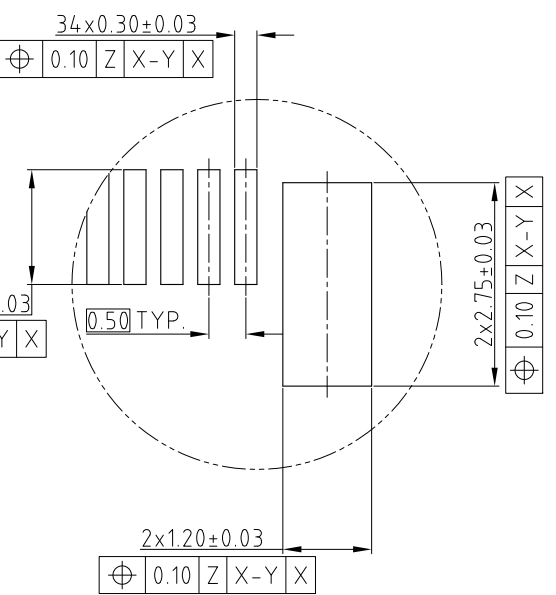
MDT XXX X XX 002

PLATING

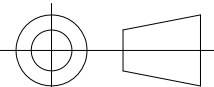
- 01 0.76 MICRONS GOLD PLATING
- 02 0.38 MICRONS GOLD PLATING
- 03 GOLD FLASH

CONNECTOR KEY ID

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

RECOMMENDED M.2 MINI CARD MOUNTING TYPE_SMT_PCB OUTLINE
DATUM Z: PCB SOLDER SURFACE

DETAIL A
SCALE 2.5:1

M	14.0	2.0	1.375	6.125	1.50	
E	5.5	10.5	1.125	-2.625	10.50	
B	2.5	13.5		-5.625	13.50	
A	1.5	14.5		-6.625	14.50	
KEY ID	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E	REMARK
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		Amphenol		
U.S. METRIC		DATE				
.X +/- 0.50		DRAWN Teng.Cao Jun.21,2016				
.XX +/- 0.25		CHECKED Ly.yi Jun.21,2016				
.XXX +/-		APPROVED		TITLE M.2 MINI PCIe CONECTOR		
FRACTIONS +/-		DRAWING FILE :				
ANGLES +/- 5°						
FOR MATERIALS AND FINISHES SEE NOTES		INTERNAL\DRAWING\M.2\CMDTXXXXXX002		SIZE DRAWING NO. REV.		
REMOVE SHARP EDGES		ANGLE OF PROJECTION 				
DIMENSIONS						
— U.S. —	— INCHES —	A3 C MDT-XXX-X-XX-002 3		SHEET 1 OF 1		
(METRIC)	(MM)					