

This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, & that no right is granted to disclose or to use any information in this document.

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	CD0620	UPDATE DRAWING	APR.30,2014	YH
5	CDXXXX	ADD PCB DIMENSION OF KEY A B E.	Jul.16,2015	YH
6	CD0861	REMOVE PN	Jun.21,2016	YH
7	CD0877	REVISE DRAWING	Sep.22,2016	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 2.54um MIN
UNDERPLATED: NI PLATING 1.27um MIN.
- 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 +85°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	TOOLED
420	4.20MAX	2.54MAX	TOOLED
320	3.20MAX	1.54MAX	TOOLED
275	2.75MAX	0.89MAX	TOOLED
245	2.45MAX	0.61MAX	NOT TOOLED

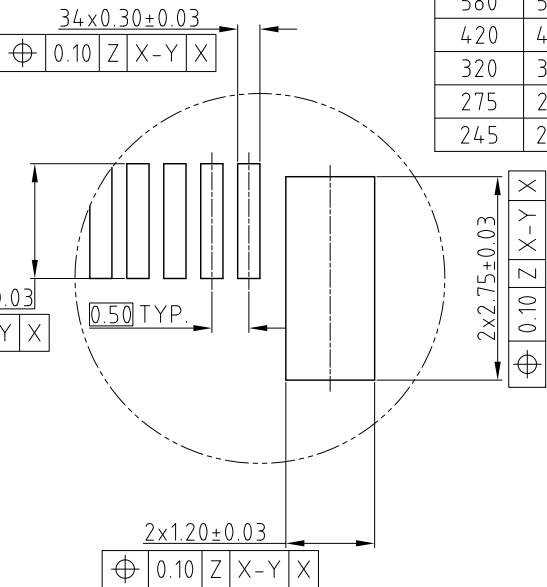
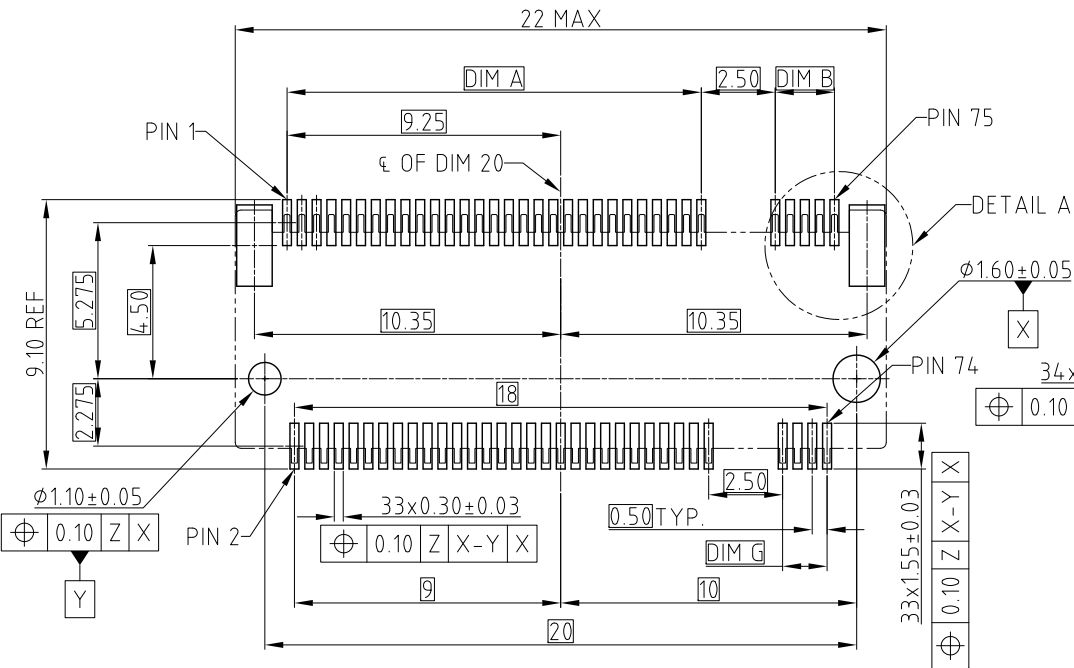
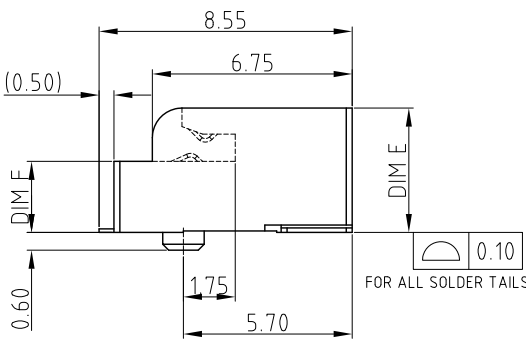
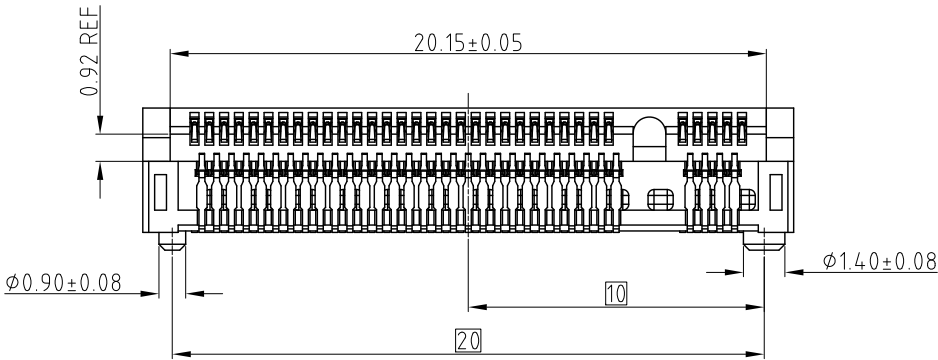
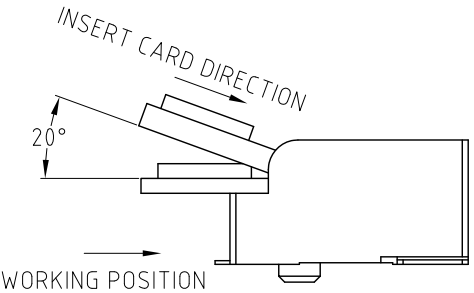
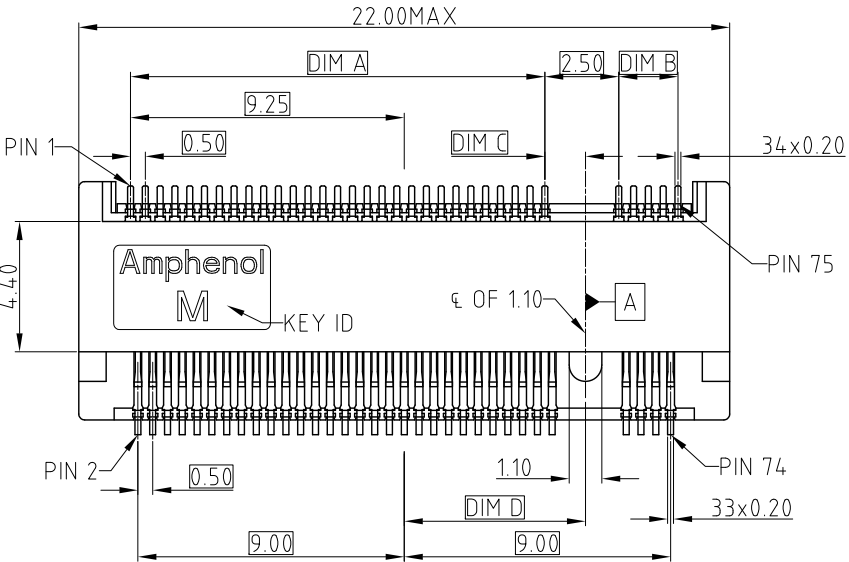
PLATING

- 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

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.G	REMARK
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .XX +/- .XXX +/- FRACTIONS +/- ANGLES +/-			APPROVAL DRAWN Teng.Cao CHECKED Ly.yi APPROVED		DATE Sep.22,2016 Sep.22,2016	
FOR MATERIALS AND FINISHES SEE NOTES			DRAWING FILE : INTERNAL\DRAWING\M.2\CMDTXXXXX001		TITLE M.2 MINI PCIe CONECTOR	
REMOVE SHARP EDGES			ANGLE OF PROJECTION		SIZE A3 DRAWING NO. C MDT-XXX-X-XX-001 REV. 7	
DIMENSIONS						
U.S. INCHES						
(METRIC) (MM)						
			SCALE NONE		SHEET 1 OF 1	



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

DETAIL A
SCALE 2.5:1