

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

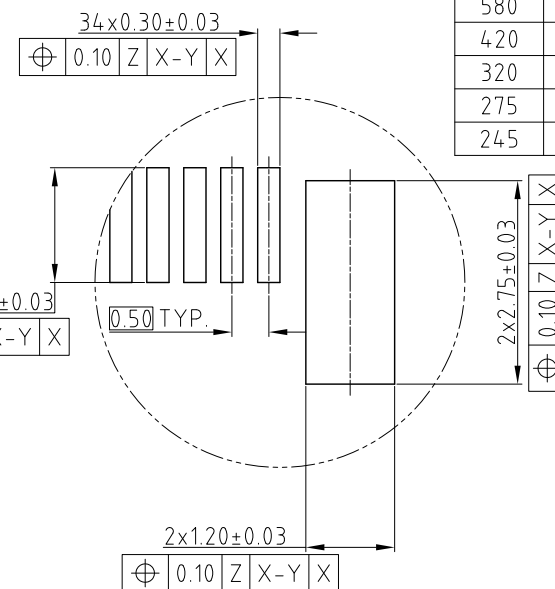
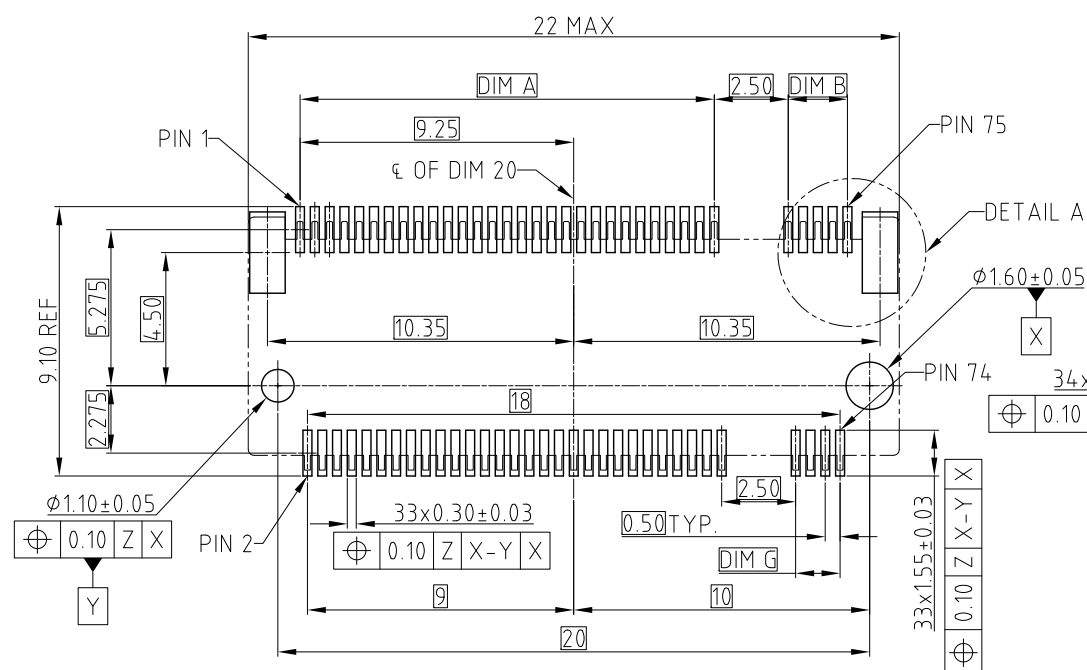
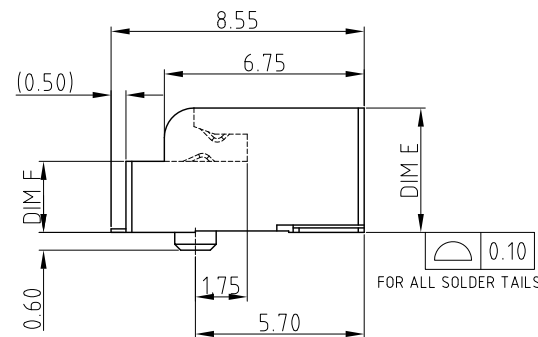
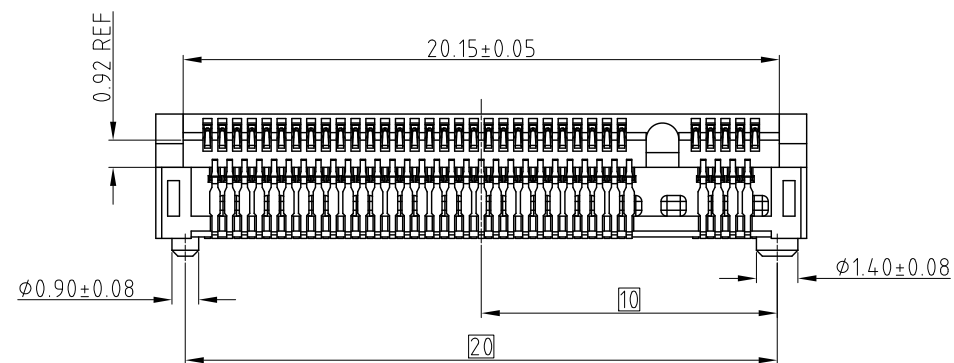
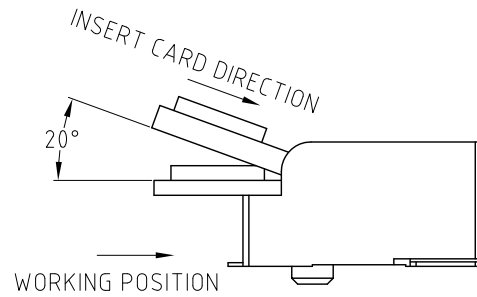
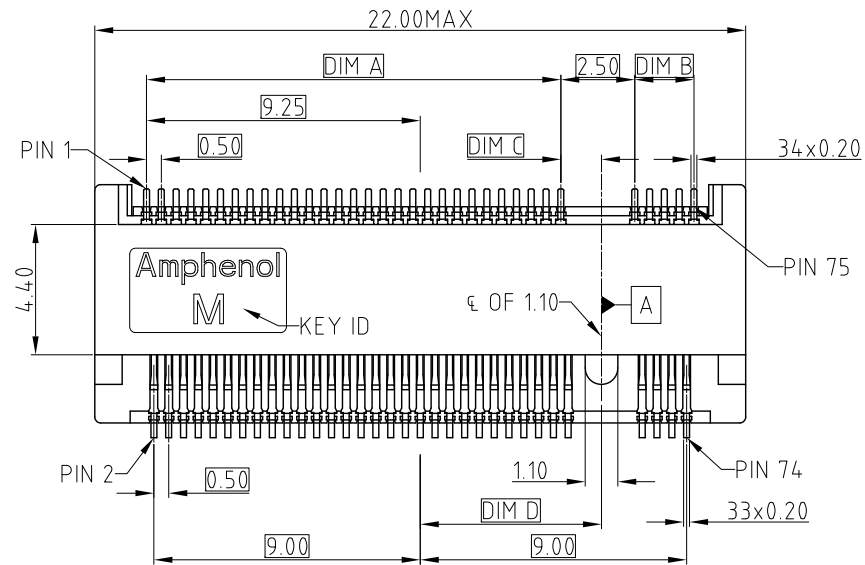
XXX	DIM E	DIM F	
580	5.80MAX	4.14MAX	TOOLED
420	4.20MAX	2.54MAX	TOOLED
320	3.20MAX	1.54MAX	TOOLED
275	2.75MAX	0.89MAX	TOOLED
245	2.45MAX	0.61MAX	NOT TOOLED

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



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		-2.625	10.50	
B	2.5	13.5	1.125	-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 +/- 0.50 .XX +/- 0.25 .XXX +/- FRACTIONS +/- ANGLES +/- 5°						
FOR MATERIALS AND FINISHES SEE NOTES			APPROVAL DRAWN Teng.Cao CHECKED Ly.yi APPROVED		DATE Sep.22,2016 Sep.22,2016	
REMOVE SHARP EDGES			DRAWING FILE : INTERNAL\DRAWING\M.2\CMDTXXXXX001		ANGLE OF PROJECTION	
DIMENSIONS U.S. INCHES (METRIC) (MM)			TITLE M.2 MINI PCIe CONECTOR		SIZE A3	
			DRAWING NO. C MDT-XXX-X-XX-001		REV. 7	
			SCALE NONE		SHEET 1 OF 1	