



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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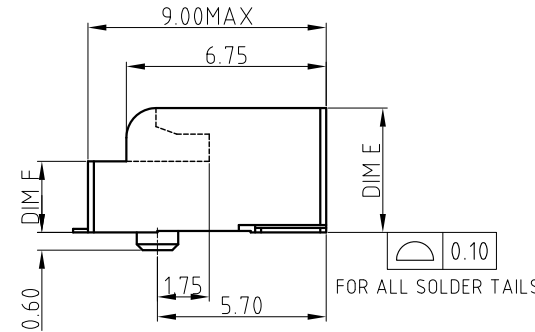
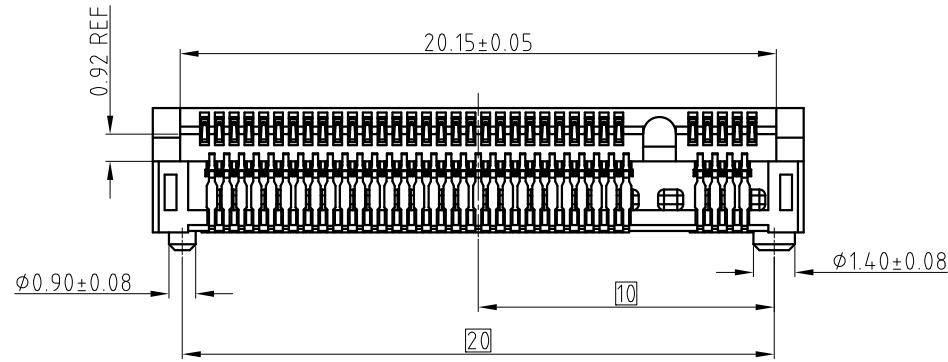
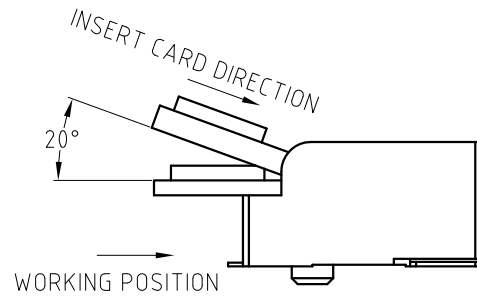
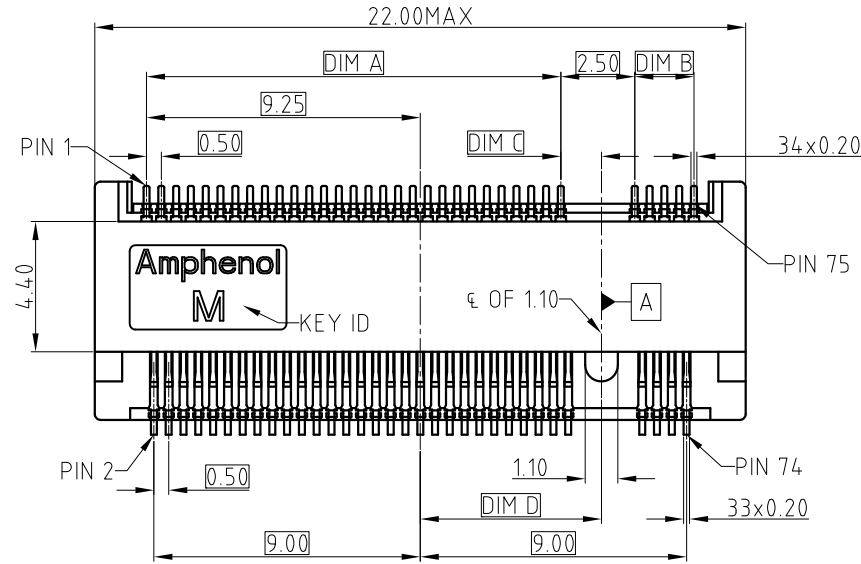


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# CUSTOMER DRAWING

## 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:

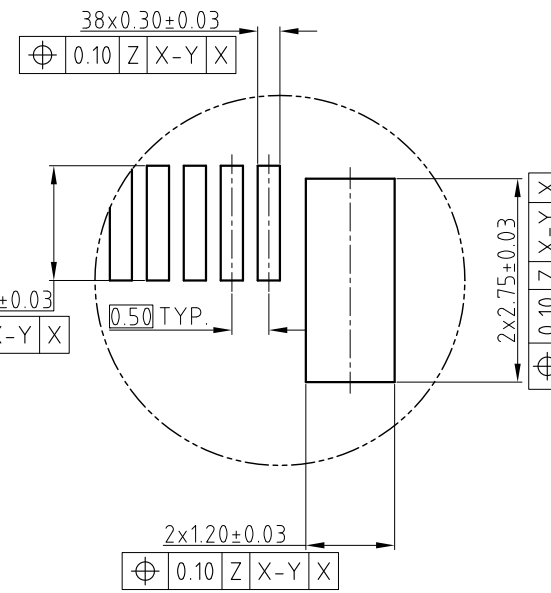
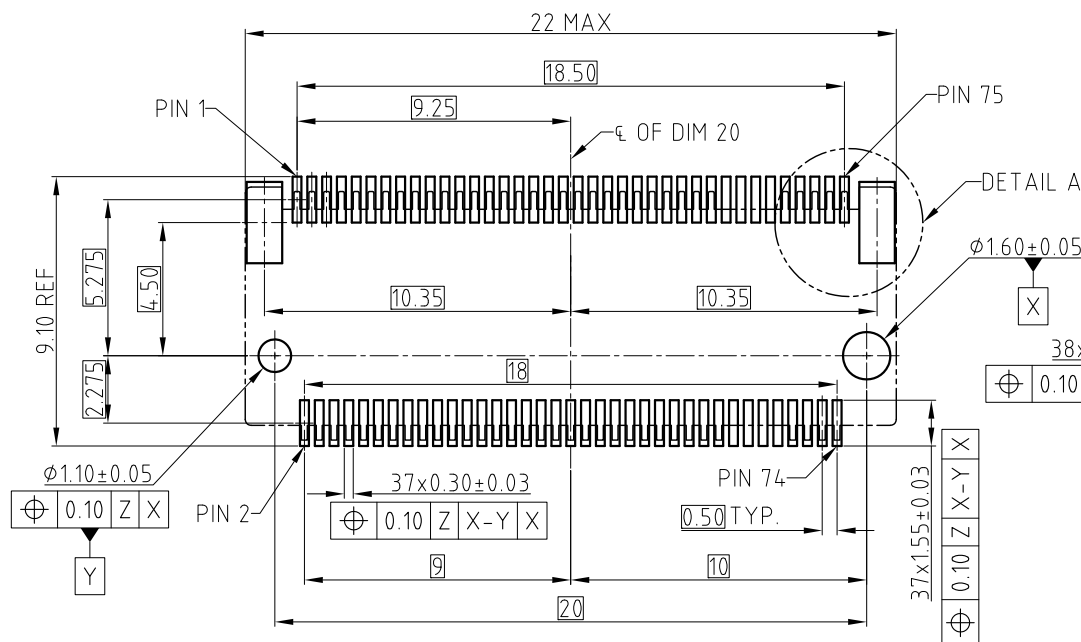
MDT XXX X XX 001

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



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	
E	5.5	10.5		-2.625	
B	2.5	13.5	1.125	-5.625	
A	1.5	14.5		-6.625	
KEY ID	DIM.A	DIM.B	DIM.C	DIM.D	REMARK

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE	
.X	+/-	DRAWN	Yunx.liu	APR.30,2014	
.XX	+/-	CHECKED	LY.YI	APR.30,2014	
.XXX	+/-	APPROVED			
FRACTIONS	+/-	DRAWING FILE :			
ANGLES	+/-	DRAWING\MDT\CMDTXXXXXX001			
REMOVE SHARP EDGES		ANGLE OF PROJECTION			
DIMENSIONS					
U.S.	INCHES				
(METRIC)	(MM)				

Amphenol		
TITLE		
M.2 MINI PCIe CONECTOR		
SIZE	DRAWING NO.	REV.
A3	C MDT-XXX-X-XX-001	4
SCALE	NONE	SHEET 1 OF 1