

F

E

D

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E

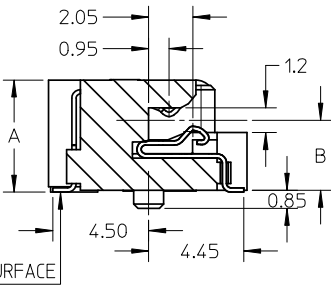
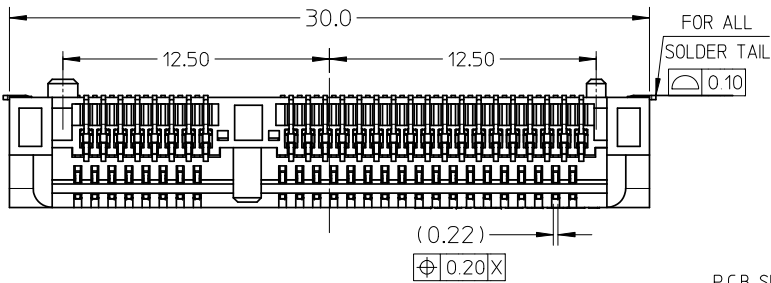
D

C

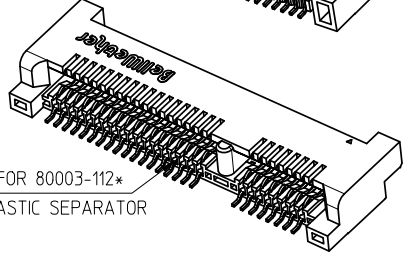
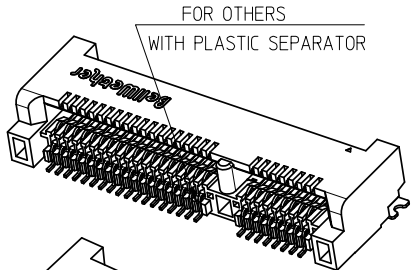
B

A

REV	ECN No.	DATE	REMARK
A	EC2008-0060	20090123	HISTORIC
B	EC2011-0007	20110302	HISTORIC
C	EC2011-0019	20110506	HISTORIC
D	EC2012-0011	20120223	HISTORIC
E	EC2012-0034	20120508	HISTORIC
F	EC2012-0063	20120810	ACTIVE

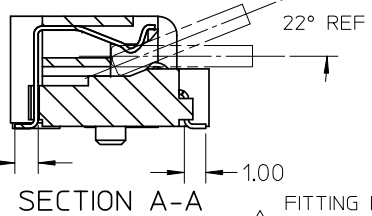
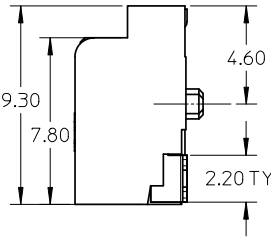
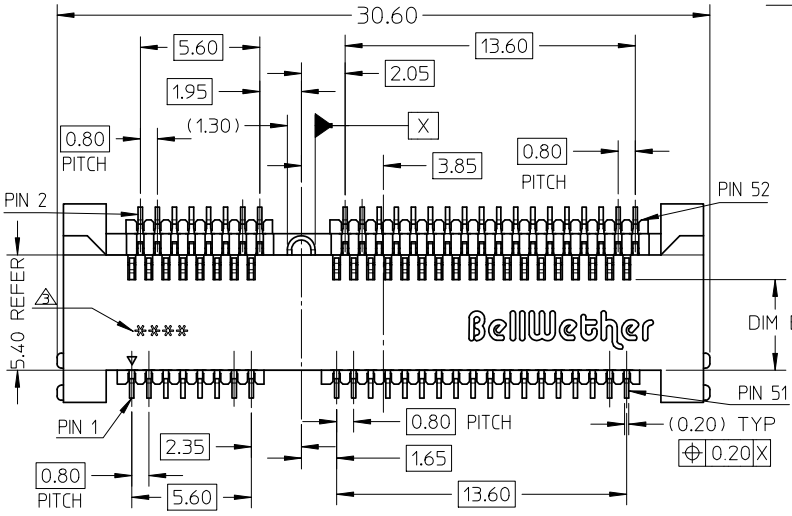


SECTION B-B

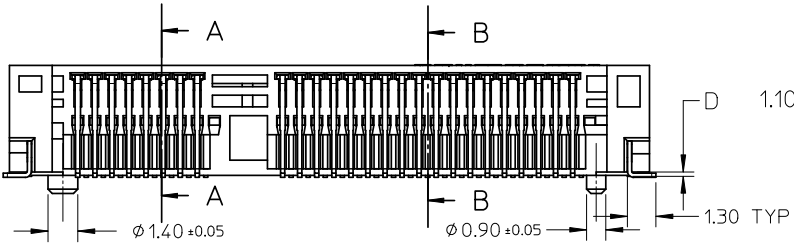


ONLY FOR 80003-112*
NO PLASTIC SEPARATOR

- NOTES:
- MATERIALS: HOUSING: THERMAL PLASTIC UL94V-0, COLOR: BLACK.
TERMINAL: COPPER ALLOY
FITTING NAIL: METAL ALLOY
 - PLATE:
TERMINAL: CONTACT AREA, GOLD PLATED PER BELOW:
*: 1---GOLD FLASH
2---0.127MICRON/5u" GOLD PLATED
3---0.254MICRON/10u" GOLD PLATED
4---0.381MICRON/15u" GOLD PLATED
5---0.762MICRON/30u" GOLD PLATED
UNDER PLATING: 1.27 MICROMETER MIN NICKEL UNDERPLATED OVERALL.
SOLDER TAIL: TYPE 1:GOLD FLASH PLATING.
TYPE 2:1-3 MICROMETER T MATT TIN PLATING.
FITTING NAIL: 2.0 MICROMETER MIN MATTE TIN OVER 1.27 MICROMETER MIN NICKEL OVERALL.
 - DATE CODE FORMAT: ****(*:YEAR *:MONTH *:DATE *: MANUFACTURE)
THE LOCATION CAN BE ADJUSTED WHEN NEED,
 - PRODUCT SPECIFICATION IS REFERED TO PS-80003-001
 - PACKAGE SPECIFICATION IS REFERED TO PK-80042-001
 - PART 80003**** COMPLIANT TO ROHS DIRECTIVE 2002/95/EC
AND ELV DIRECTIVE 2000/53/EC.



SECTION A-A



80003-904*	9.20	7.25	6.75	0.30	3.70	WITH PLASTIC SEPARATOR	TYPE 2 (NOTES 2)
80003-804*	10.00	8.05	7.55	0.30	4.25	WITH PLASTIC SEPARATOR	
80003-704*	9.00	7.05	6.55	0.30	4.25	WITH PLASTIC SEPARATOR	
80003-604*	8.00	6.05	5.55	0.30	4.25	WITH PLASTIC SEPARATOR	
80003-404*	6.70	4.75	4.25	0.30	3.70	WITH PLASTIC SEPARATOR	TYPE 1 (NOTES 2)
80003-304*	5.70	3.75	3.25	0.30	3.70	WITH PLASTIC SEPARATOR	
80003-204*	5.20	3.25	2.75	0.30	3.70	WITH PLASTIC SEPARATOR	
80003-512*	7.00	5.05	4.55	0.30	3.70	WITH PLASTIC SEPARATOR	
80003-112*	4.05	2.05	1.55	0.30	3.70	W/O PLASTIC SEPARATOR	
P/N	A	B	C	D	E	REMARK	PLATE

ROHS COMPLIANT
LEAD&HALOGEN FREE

QUALITY SYMBOL
0 = 0
0.20 = 0.20
0.25 = 0.25
ANGULAR ± --°

MATERIAL NO.:
SEE TABLE

REVIEW TABLE FOR DETAILS

GENERAL TOLERANCES (UNLESS SPECIFIED)

x.xxxx ± ---
x.xxx ± ---
x.xx ± 0.20
x.x ± 0.25
ANGULAR ± --°

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Bellwether Electronic Corp. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE
MINI PCI EXPRESS CONNECTOR
0.80MM PITCH, 52 CIRCUITS
WITH FITTING NAILS

Bellwether Electronic Corp.

DOCUMENT NO.
SD-80003-002

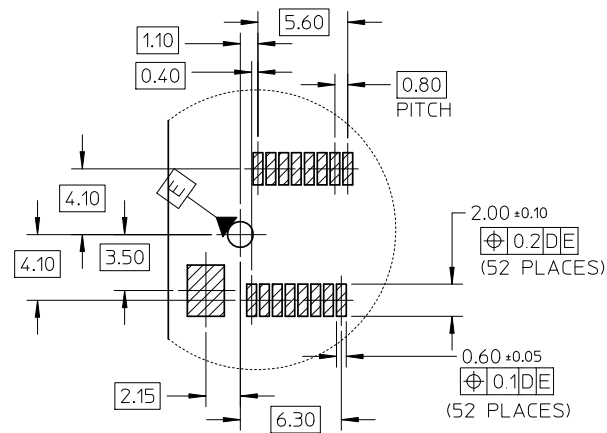
SHEET NO.
1 OF 5

DIMENSION STYLE
MM ONLY

DESIGN UNITS
METRIC

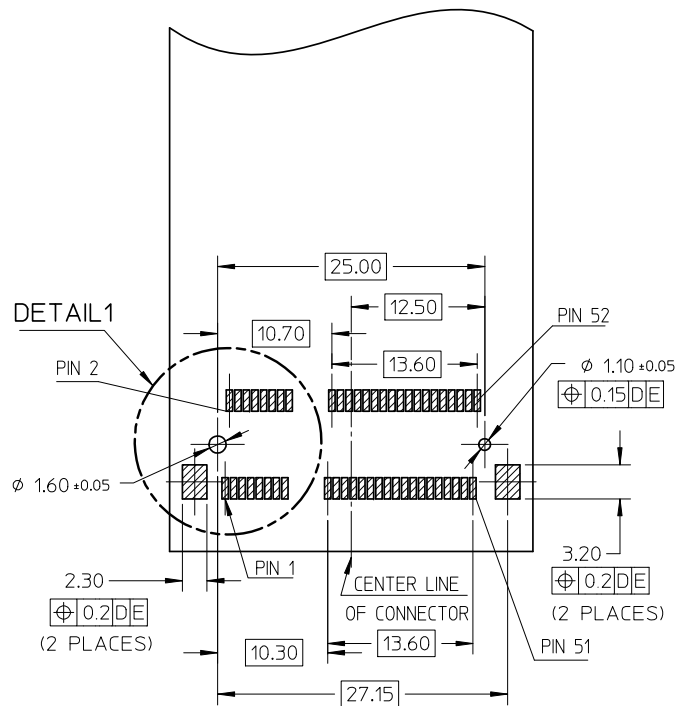
SCALE
1:1

THIRD ANGLE PROJECTION

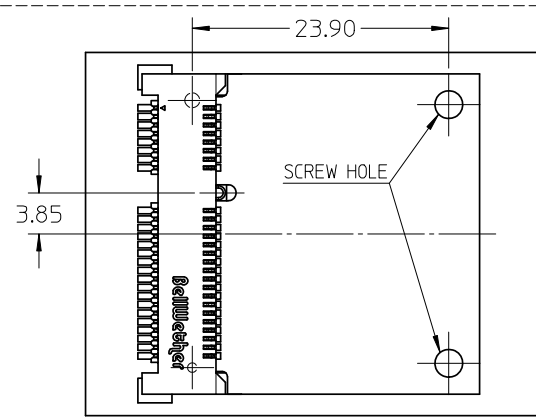


DETAIL1

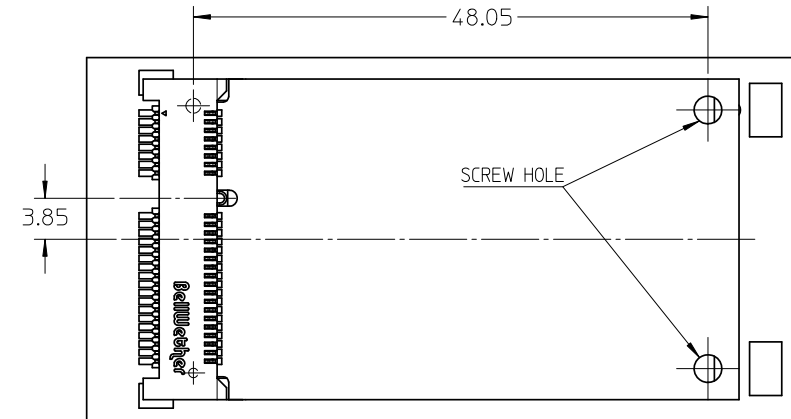
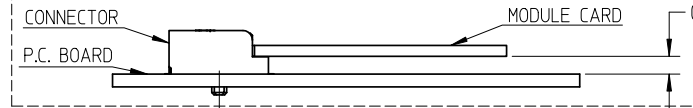
SURFACE D IS THE TOP SURFACE OF PCB



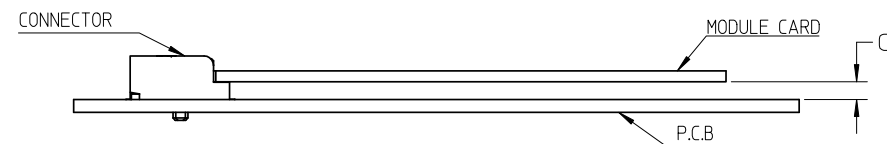
RECOMMENDED PCB LAYOUT



HALF-MINI CARD
APPLICATION
SCHEMATICS



FULL-MINI CARD
APPLICATION
SCHEMATICS

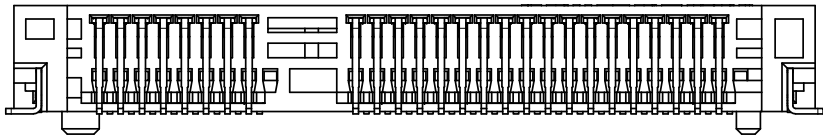


ROHS COMPLIANT LEAD&HALOGEN FREE	QUALITY SYMBOL ▽ = 0 ▶ = 0	MATERIAL NO.:		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Bellwether Electronic Corp. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		SEE TABLE		TITLE MINI PCI EXPRESS CONNECTOR 0.80MM PITCH, 52 CIRCUITS WITH FITTING NAILS			ECN DESCRIPTION 7,8,9,10H ADD HEAT STEAK				
		REVIEW TABLE FOR DETAILS					DRAWN BY DATE BARTON NI 20120810				
		GENERAL TOLERANCES (UNLESS SPECIFIED)		 Bellwether Electronic Corp.			CHECKED BY DATE TERRY ZHANG 20120810				
		X.XXXX	± ---				APPROVED BY DATE GRATE MA 20120810				
		X.XXX	± ---	DOCUMENT NO.			SHEET NO.		THIRD ANGLE PROJECTION		
		X.XX	± 0.20	SD-80003-002			2 OF 5		frame size: A4 OR-007-006-B		
		X.X	± 0.25	DIMENSION STYLE			DESIGN UNITS				
		ANGULAR	±--°	MM ONLY			SCALE 1:1				
				5		4		3		2	

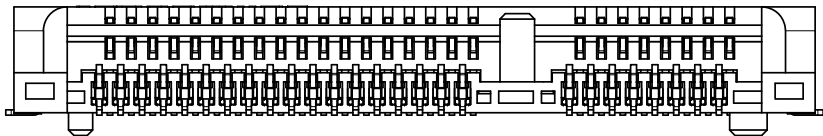
10 9 8 7 6 5 4 3 2 1

F

80003-112* H=4.05MM

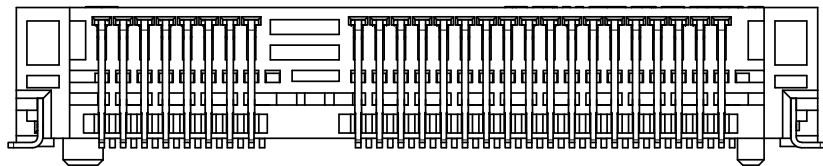


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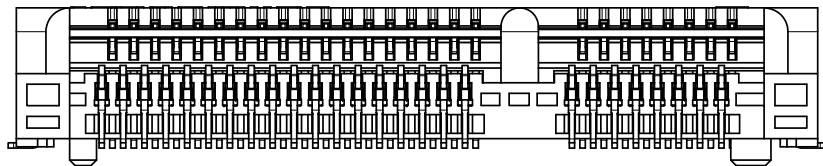


D

80003-204* H=5.20MM

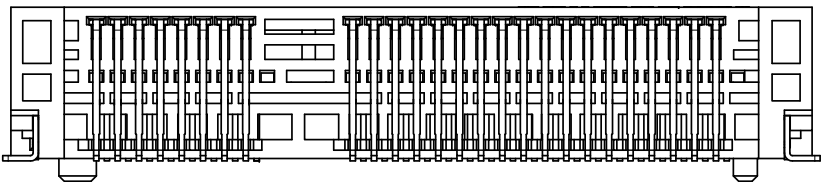


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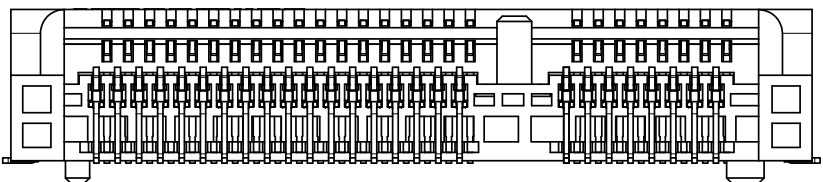


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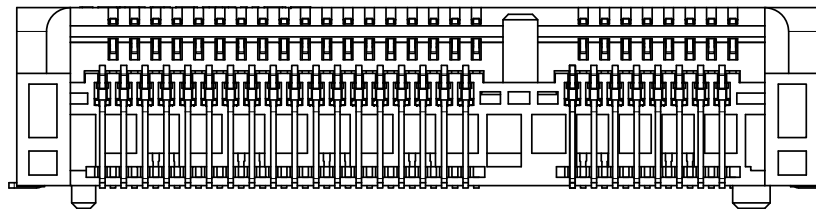
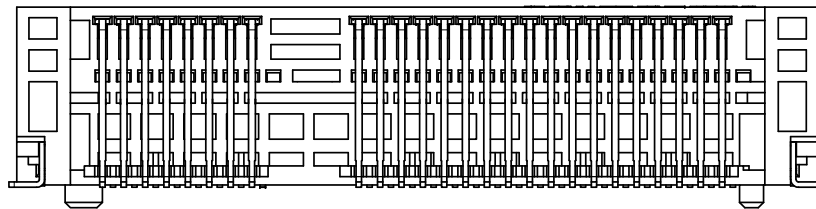
80003-304* H=5.70MM



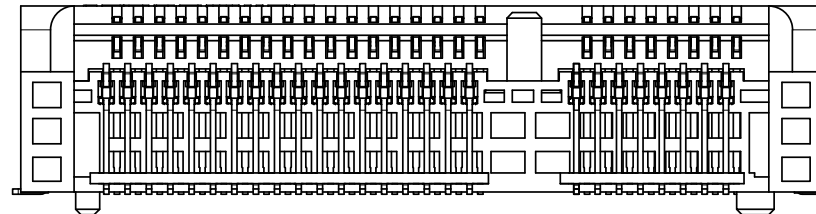
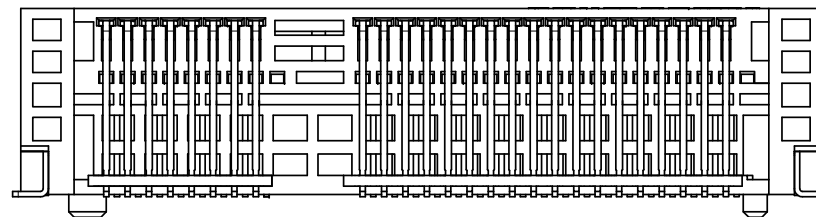
A



80003-404* H=6.70MM



80003-512* H=7.00MM



F

E

D

C

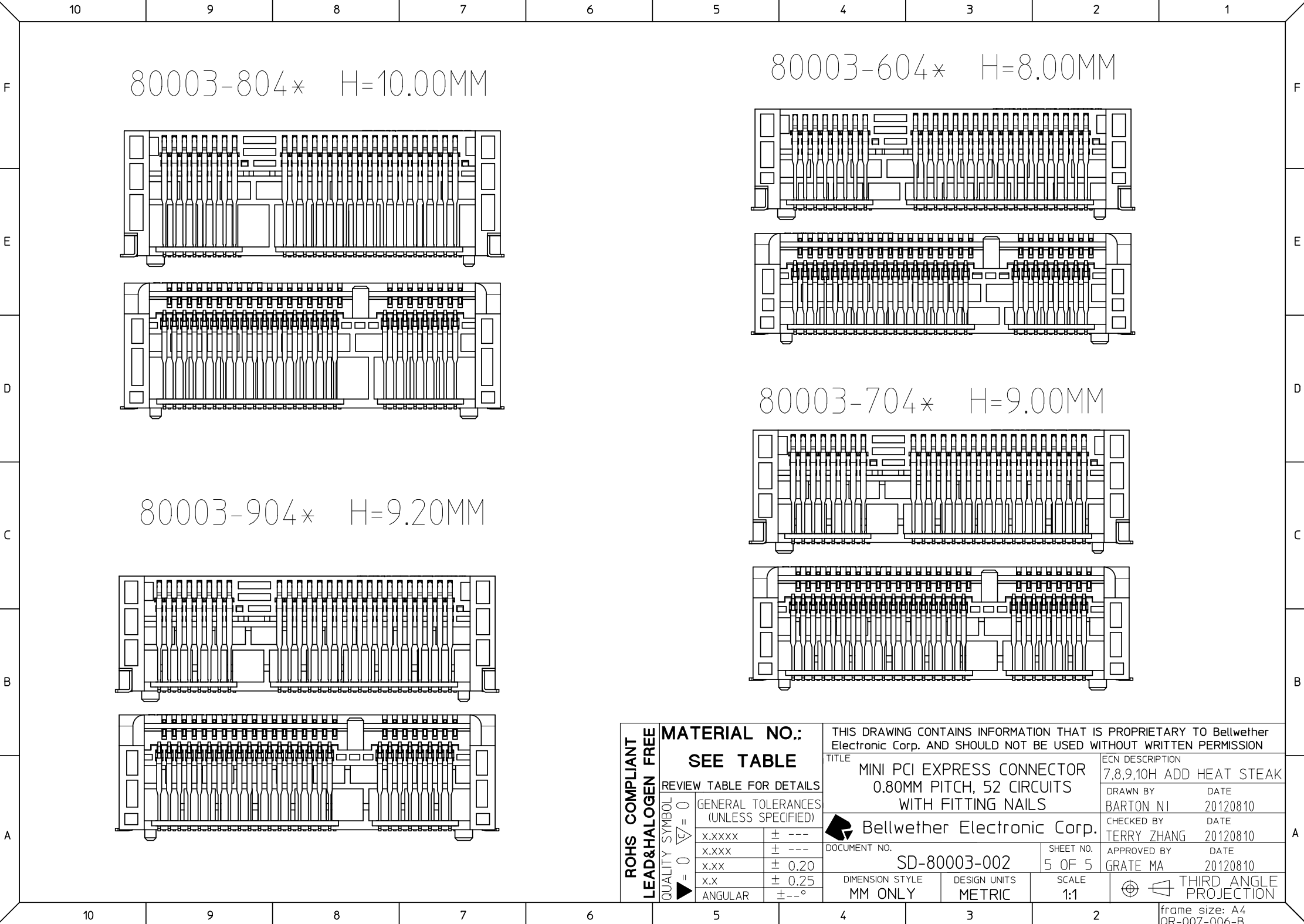
B

A

10 9 8 7 6 5 4 3 2

ROHS COMPLIANT LEAD&HALOGEN FREE	MATERIAL NO.: SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Bellwether Electronic Corp. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
	REVIEW TABLE FOR DETAILS		TITLE MINI PCI EXPRESS CONNECTOR 0.80MM PITCH, 52 CIRCUITS WITH FITTING NAILS			ECN DESCRIPTION 7.8,9,10H ADD HEAT STEAK				
	QUALITY SYMBOL ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		 Bellwether Electronic Corp.			DRAWN BY BARTON NI		DATE 20120810	
		X.XXXX ± ---					CHECKED BY TERRY ZHANG		DATE 20120810	
		X.XXX ± ---		APPROVED BY		DATE				
		X.XX ± 0.20		GRATE MA		20120810				
		X.X ± 0.25								
	ANGULAR ± --°									

frame size: A4
QR-007-006-B



ROHS COMPLIANT
LEAD&HALOGEN FREE

QUALITY SYMBOL	
▽ = 0	▽ = 0
▷ = 0	▷ = 0

MATERIAL NO.:
SEE TABLE

REVIEW TABLE FOR DETAILS

GENERAL TOLERANCES (UNLESS SPECIFIED)	
X.XXXX	± ---
X.XXX	± ---
X.XX	± 0.20
X.X	± 0.25
ANGULAR	± --°

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO Bellwether Electronic Corp. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE		ECN DESCRIPTION	
MINI PCI EXPRESS CONNECTOR		7,8,9,10H ADD HEAT STEAK	
0.80MM PITCH, 52 CIRCUITS		DRAWN BY	DATE
WITH FITTING NAILS		BARTON NI	20120810
Bellwether Electronic Corp.		CHECKED BY	DATE
DOCUMENT NO.		TERRY ZHANG	20120810
SD-80003-002		APPROVED BY	DATE
5 OF 5		GRATE MA	20120810
DIMENSION STYLE	DESIGN UNITS	SCALE	THIRD ANGLE PROJECTION
MM ONLY	METRIC	1:1	

frame size: A4
QR-007-006-B