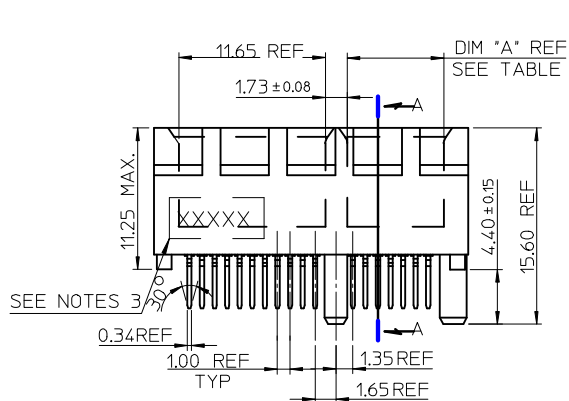
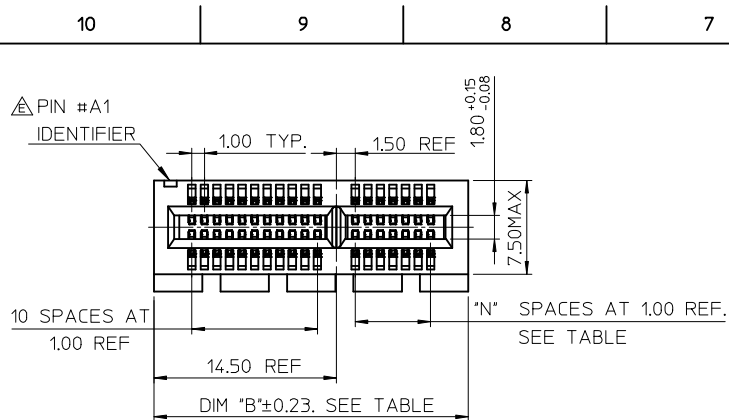
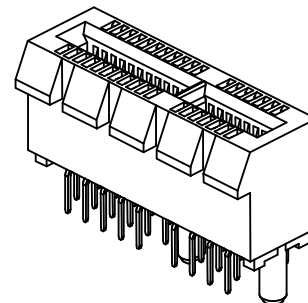
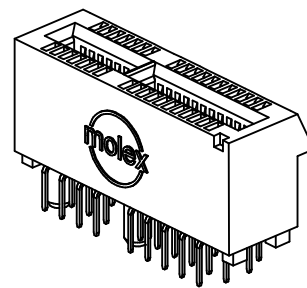
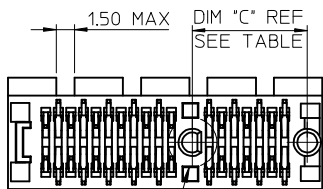
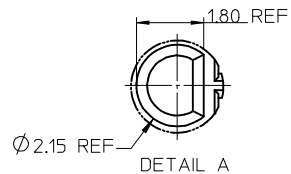


SECTION A-A



NOTES:

1.MATERIALS:

1-1.HOUSING: SEE TABLE ,GLASS FIBER FILLED UL94V-0, COLOR: SEE TABLE.
1-2.CONTACT: SEE TABLE

2.PLATING:

2-1.CONTACT AREA: GOLD, THICKNESS : SEE TABLE .
2-2.SOLDER TAIL: 100 MICROINCH MIN. TIN PLATING.
2-3.UNDER PLATING: NICKEL PLATING OVERALL.

3.WEEK CODE: XX(YEAR) XX(WEEK) X(LOCATION).

4.PRODUCT SPECIFICATION REFER TO PS-87715-200.

5.PACKAGING SPECIFICATION REFER TO PK-87715-207.

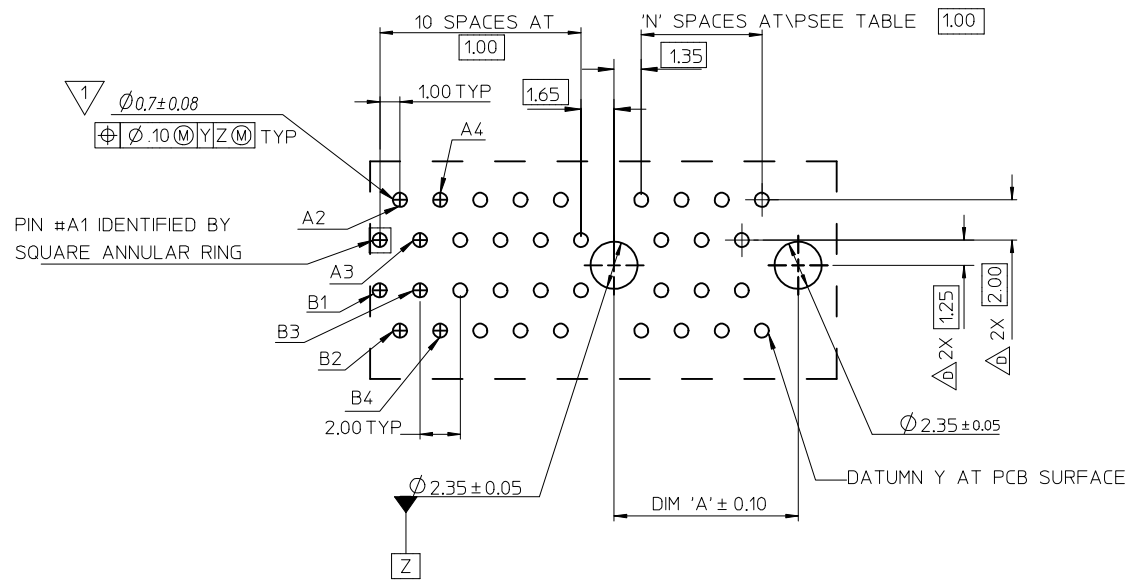
6.TEST SUMMARY:REFER TO TS-87715-207.

7.LEAD FREE AND ROHS COMPLIANCE PRODUCT.

CONNECTOR LINK WIDTH	# POS REF	N	DIM 'A'	DIM 'B'	DIM 'C'
X1	36	6	7.65	25.00	9.15
X4	64	20	21.65	39.00	23.15
X8	98	37	38.65	56.00	40.15
X16	164	70	71.65	89.00	73.15

PCB THK (REF)	DIM 'D'
1.60	2.30
1.58	2.54
2.36	3.00

CORRECT P/N EC NO: SH2009-0199 DRWN:GWANG08 2008/10/13 CHKD:DMZHANG02 2008/10/17 APPR:HMWANG 2008/11/03	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)	
				mm	INCH	DRAWN BY	DATE	TITLE				
			4 PLACES	± ---	± ---	TOM	2004/07/20	MOLEX MOLEX INCORPORATED				
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.25	± ---	ALLEN LIN	2004/07/20					
1 PLACE	± 0.25	± ---	APPROVED BY	DATE								
			ANGULAR ± 3 °			WILSON	2004/07/20	DOCUMENT NO.			SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SD-87715-207			1 OF 11	
						SIZE A3		SEE TABLE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



CONNECTOR LINK WIDTH	# POS REF	N	DIM 'A'
X1	36	6	9.15
X4	64	20	23.15
X8	98	37	40.15
X16	164	70	73.15

SEE SHEET 1

EC NO: SH2009-0199

DRWN: GWANG08

CHKD: DMZHANG02

APPR: HWANG

2008/10/13

2008/10/17

2008/11/03

QUALITY SYMBOLS

▽=0

▽=0

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.25 ± ---

1 PLACE ± 0.25 ± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

DOCUMENT NO.

SHEET NO.

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

PCI EXPRESS

EDGE CARD CONNECTOR

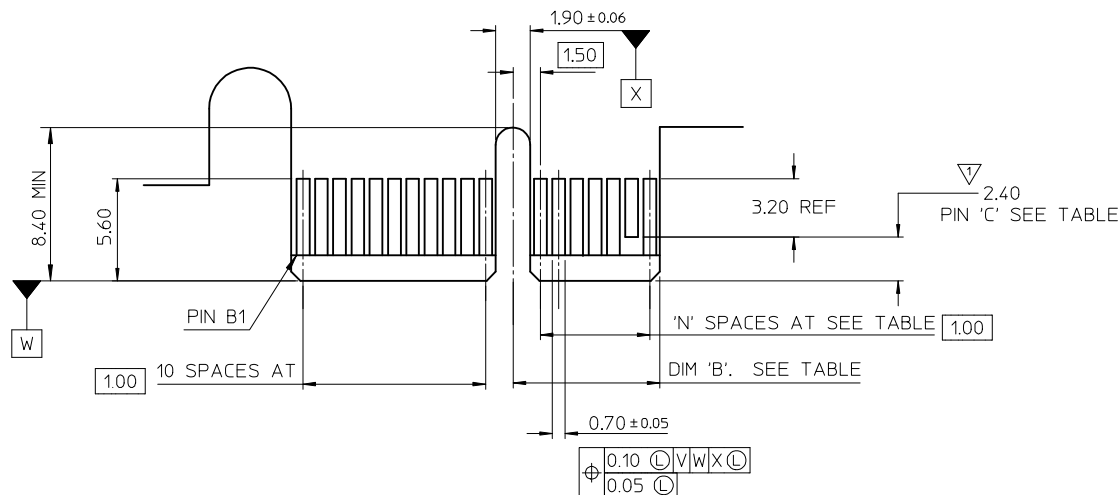
(LEAD FREE VERSION)

MOLEX INCORPORATED

SD-87715-207

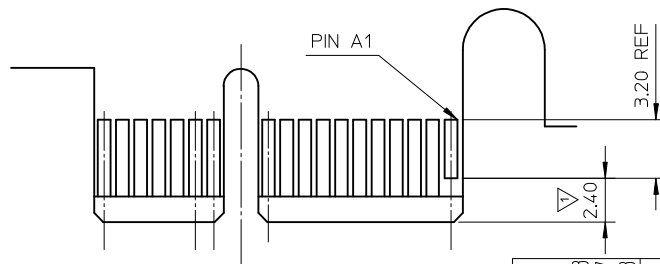
2 OF 11

10 9 8 7 6 5 4 3 2 1



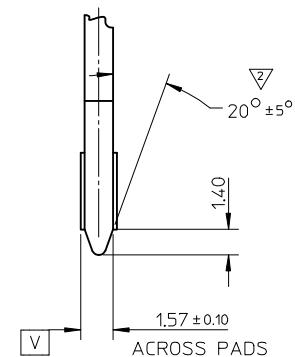
← I/O PANEL DIRECTION

PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION →

SECONDARY (SOLDER) SIDE



- 1 NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND "C".
- 2 CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
3. TOLERANCE: .XX±.13

CONNECTOR LINK WIDTH	# POS REF	N	DIM 'B'	'C'
X1	36	6	8.15	B17
X4	64	20	22.15	B17, B31
X8	98	37	39.15	B17, B31 B48
X16	164	70	72.15	B17, B31 B48, B81

SEE SHEET 1
EC NO: SH2009-0199 2008/10/13
DRAWN: GWANG08 2008/10/13
CHKD: DMZHANG02 2008/10/17
APPR: HWANG 2008/11/03

QUALITY SYMBOLS
=0
=0

	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
TOM	2004/07/20
CHECKED BY	DATE
ALLEN LIN	2004/07/20
APPROVED BY	DATE
WILSON	2004/07/20
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-87715-207		SHEET NO. 3 OF 11
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

9 8 7 6 5 4 3 2 1

10		9		8		7		6		5		4		3		2		1	
F	MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING		SOLDER TAIL 'D' LENGTH	MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING		SOLDER TAIL 'D' LENGTH			
						GOLD FLASH								GOLD FLASH					
						10 MICROINCH								10 MICROINCH					
						15 MICROINCH								15 MICROINCH					
						GOLD FLASH								GOLD FLASH					
						10 MICROINCH								10 MICROINCH					
						15 MICROINCH								15 MICROINCH					
						30 MICROINCH								30 MICROINCH					
						GOLD FLASH								GOLD FLASH					
						15 MICROINCH								15 MICROINCH					
E	87715-6000	36	NYLON66	BLACK	PHOSPHOR BRONZE	3.00		64	64	NYLON66	BLACK	PHOSPHOR BRONZE	3.00		3.00				
						2.54							2.54						
						2.30							2.30						
						3.00							3.00						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
D	87715-6010	36	NYLON66	WHITE	PHOSPHOR BRONZE	3.00		64	64	NYLON66	WHITE	PHOSPHOR BRONZE	3.00		3.00				
						2.54							2.54						
						2.30							2.30						
						3.00							3.00						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
C	87715-6020	36	NYLON66	BLUE (287U)	PHOSPHOR BRONZE	3.00		64	64	NYLON66	BLUE (287U)	PHOSPHOR BRONZE	3.00		3.00				
						2.54							2.54						
						2.30							2.30						
						3.00							3.00						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
B	87715-6030	36	NYLON66	GREEN (348C)	PHOSPHOR BRONZE	3.00		64	64	NYLON66	GREEN (348C)	PHOSPHOR BRONZE	3.00		3.00				
						2.54							2.54						
						2.30							2.30						
						3.00							3.00						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
A	87715-6040	36	NYLON66	PURPLE (2736U)	PHOSPHOR BRONZE	3.00		64	64	NYLON66	PURPLE (2736U)	PHOSPHOR BRONZE	3.00		3.00				
						2.54							2.54						
						2.30							2.30						
						3.00							3.00						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						
						2.54							2.54						
						2.30							2.30						

SEE SHEET 1

EC NO: SH2009-0199

DRWN:GWANG08

CHKD:QZJHANG02

APPR:HWANG

2008/08/19

2008/11/03

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE

MUST REMAIN

WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE	TITLE
TOM	2004/07/20	PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)
CHECKED BY	DATE	
ALLEN LIN	2004/07/20	
APPROVED BY	DATE	MOLEX INCORPORATED
WILSON	2004/07/20	
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE TABLE	SD-87715-207	4 OF 11

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ib_frame_A3_P_AM_T

Rev. D 2004/06/28

9		8		7		6		5		4		3		2		1	
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[illegible]

[illegible]

	10	9	8	7	6	5	4	3	2	1	
F											F
E											E
D											D
C											C
B											B
A											A

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL 'D' LENGTH
87715-9400	36	NYLON46	BLACK	BRASS	GOLD FLASH	2.54
87715-9401					10 MICROINCH	
87715-9402					15 MICROINCH	
87715-9403					GOLD FLASH	3.00
87715-9404					10 MICROINCH	
87715-9405					15 MICROINCH	
87715-9406					30 MICROINCH	2.54
87715-9407					GOLD FLASH	2.30
87715-9408	15 MICROINCH					
87715-9410	36	NYLON46	WHITE	BRASS	GOLD FLASH	2.54
87715-9411					10 MICROINCH	
87715-9412					15 MICROINCH	
87715-9413					GOLD FLASH	3.00
87715-9414					10 MICROINCH	
87715-9415					15 MICROINCH	
87715-9416					30 MICROINCH	2.54
87715-9417					GOLD FLASH	2.30
87715-9418	15 MICROINCH					
87715-9420	36	NYLON46	BLUE (287U)	BRASS	GOLD FLASH	2.54
87715-9421					10 MICROINCH	
87715-9422					15 MICROINCH	
87715-9423					GOLD FLASH	3.00
87715-9424					10 MICROINCH	
87715-9425					15 MICROINCH	
87715-9426					30 MICROINCH	2.54
87715-9427					GOLD FLASH	2.30
87715-9428	15 MICROINCH					
87715-9430	36	NYLON46	GREEN (348C)	BRASS	GOLD FLASH	2.54
87715-9431					10 MICROINCH	
87715-9432					15 MICROINCH	
87715-9433					GOLD FLASH	3.00
87715-9434					10 MICROINCH	
87715-9435					15 MICROINCH	
87715-9436					30 MICROINCH	2.54
87715-9437					GOLD FLASH	2.30
87715-9438	15 MICROINCH					
87715-9440	36	NYLON46	PURPLE (2736U)	BRASS	GOLD FLASH	2.54
87715-9441					10 MICROINCH	
87715-9442					15 MICROINCH	
87715-9443					GOLD FLASH	3.00
87715-9444					10 MICROINCH	
87715-9445					15 MICROINCH	
87715-9446					30 MICROINCH	2.54
87715-9447					GOLD FLASH	2.30
87715-9448	15 MICROINCH					

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL 'D' LENGTH
87715-9500	64	NYLON46	BLACK	BRASS	GOLD FLASH	2.54
87715-9501					10 MICROINCH	
87715-9502					15 MICROINCH	
87715-9503					GOLD FLASH	3.00
87715-9504					10 MICROINCH	
87715-9505					15 MICROINCH	
87715-9506					30 MICROINCH	2.54
87715-9507					GOLD FLASH	2.30
87715-9508	15 MICROINCH					
87715-9510	64	NYLON46	WHITE	BRASS	GOLD FLASH	2.54
87715-9511					10 MICROINCH	
87715-9512					15 MICROINCH	
87715-9513					GOLD FLASH	3.00
87715-9514					10 MICROINCH	
87715-9515					15 MICROINCH	
87715-9516					30 MICROINCH	2.54
87715-9517					GOLD FLASH	2.30
87715-9518	15 MICROINCH					
87715-9520	64	NYLON46	BLUE (287U)	BRASS	GOLD FLASH	2.54
87715-9521					10 MICROINCH	
87715-9522					15 MICROINCH	
87715-9523					GOLD FLASH	3.00
87715-9524					10 MICROINCH	
87715-9525					15 MICROINCH	
87715-9526					30 MICROINCH	2.54
87715-9527					GOLD FLASH	2.30
87715-9528	15 MICROINCH					
87715-9530	64	NYLON46	GREEN (348C)	BRASS	GOLD FLASH	2.54
87715-9531					10 MICROINCH	
87715-9532					15 MICROINCH	
87715-9533					GOLD FLASH	3.00
87715-9534					10 MICROINCH	
87715-9535					15 MICROINCH	
87715-9536					30 MICROINCH	2.54
87715-9537					GOLD FLASH	2.30
87715-9538	15 MICROINCH					
87715-9540	64	NYLON46	PURPLE (2736U)	BRASS	GOLD FLASH	2.54
87715-9541					10 MICROINCH	
87715-9542					15 MICROINCH	
87715-9543					GOLD FLASH	3.00
87715-9544					10 MICROINCH	
87715-9545					15 MICROINCH	
87715-9546					30 MICROINCH	2.54
87715-9547					GOLD FLASH	2.30
87715-9548	15 MICROINCH					

SEE SHEET 1

EC NO: SH2009-0199	2008/10/13
DRWN:GWANG08	2008/10/17
CH"KD:DMZHANG02	2008/11/03
APPR:HWANG	

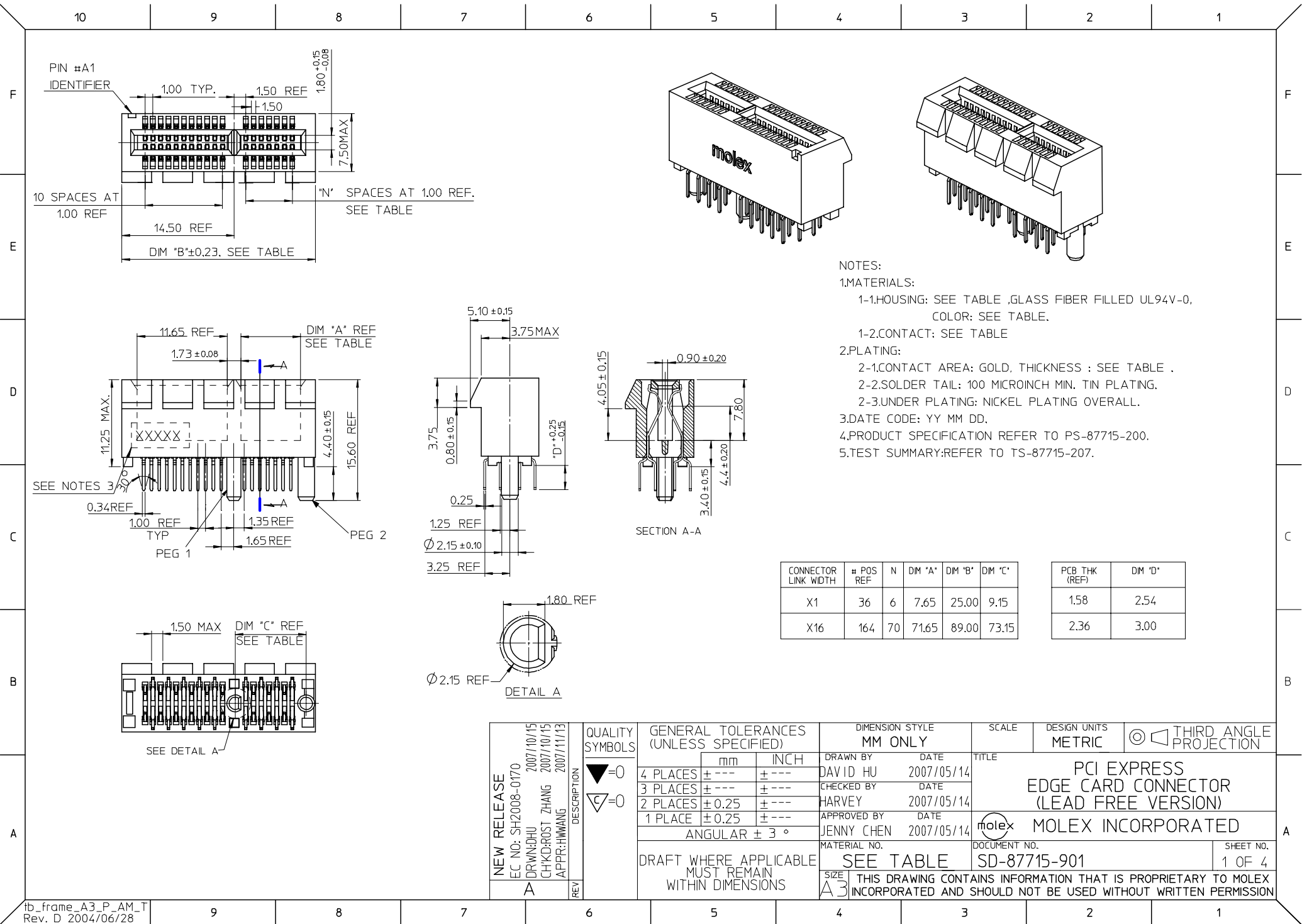
REV	DESCRIPTION	QUALITY SYMBOLS
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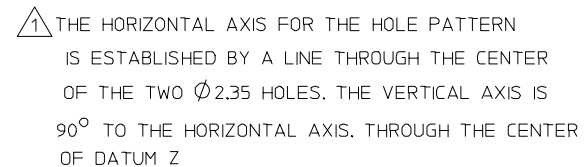
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± .025	± .001
1 PLACE	± .025	± .001
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
TOM	2004/07/20
CHECKED BY	DATE
ALLEN LIN	2004/07/20
APPROVED BY	DATE
WILSON	2004/07/20
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND
A3	

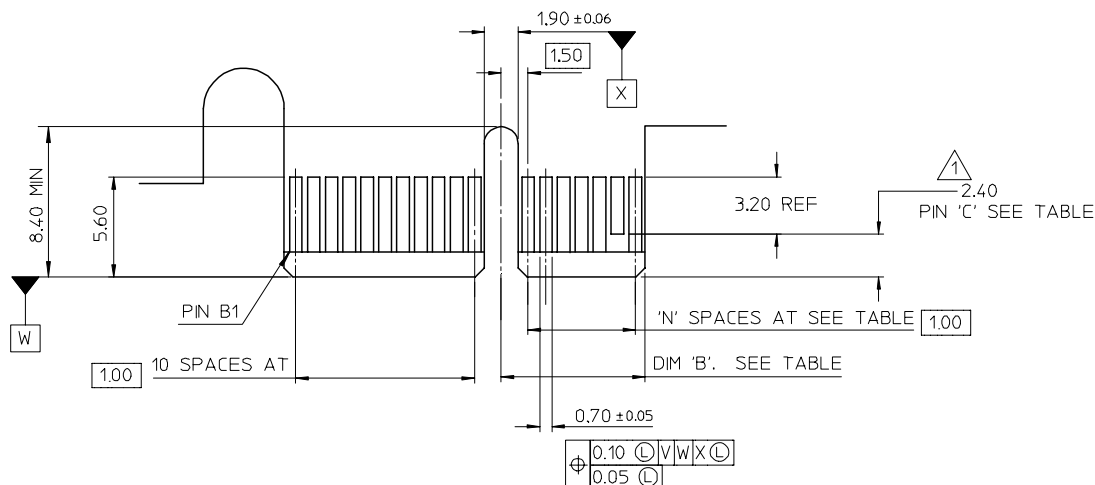
SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-87715-207		SHEET NO. 10 OF 11

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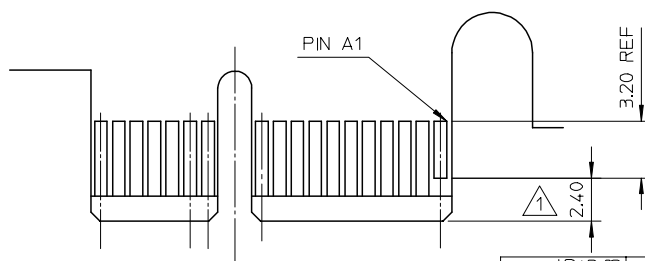


NEW RELEASE EC NO: SH2008-0170 DRW:JCHU CHK:RUST ZHANG APPR:HWANG 2007/10/15 2007/10/15 2007/11/13	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY			METRIC			
						TITLE		PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)		
						MOLEX MOLEX INCORPORATED				
						DOCUMENT NO. SD-87715-901		SHEET NO. 2 OF 4		
A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

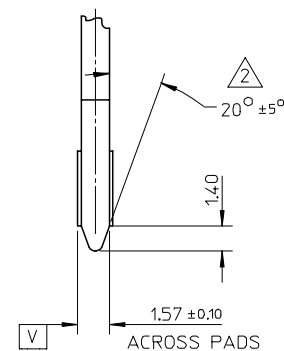


← I/O PANEL DIRECTION

PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION →
SECONDARY (SOLDER) SIDE



- 1 NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND "C".
- 2 CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- 3 TOLERANCE: .XX±.13

CONNECTOR LINK WIDTH	# POS REF	N	DIM 'B'	'C' 1
X1	36	6	8.15	B17
X16	164	70	72.15	B17, B31 B48,B81

NEW RELEASE
EC NO: SH2008-0170
2007/10/15
DRWN:DHU
CHKD:ROST ZHANG
2007/10/15
APPR:HWANG
2007/11/13

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
DAVID HU 2007/05/14

CHECKED BY DATE
HARVEY 2007/05/14

APPROVED BY DATE
JENNY CHEN 2007/05/14

MATERIAL NO.

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
PCI EXPRESS
EDGE CARD CONNECTOR
(LEAD FREE VERSION)

MOLEX INCORPORATED

DOCUMENT NO.
SD-87715-901

SHEET NO.
3 OF 4

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