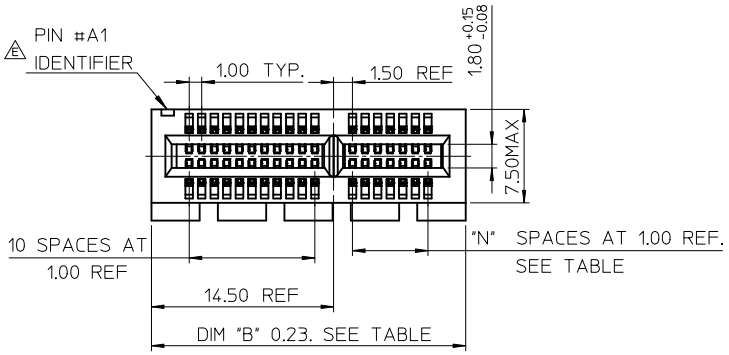
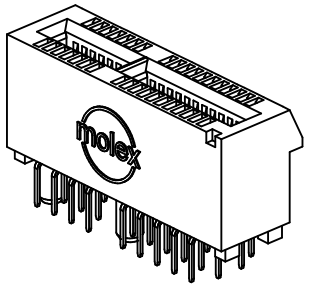
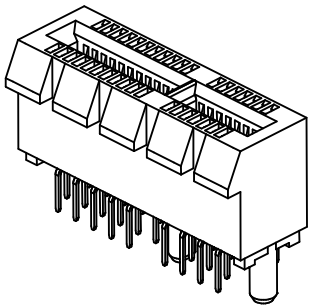
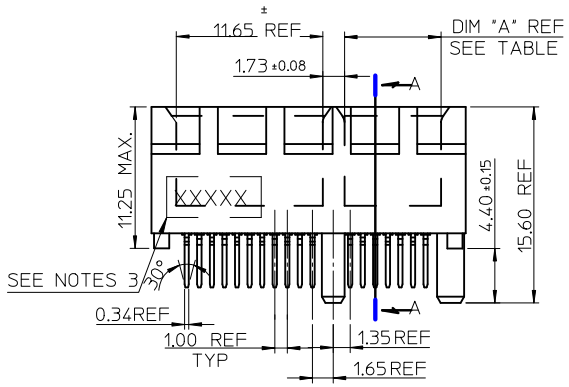
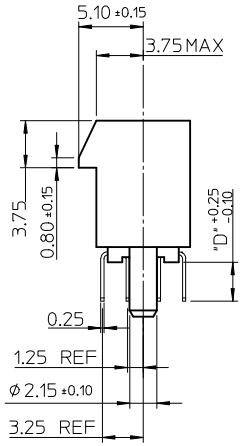


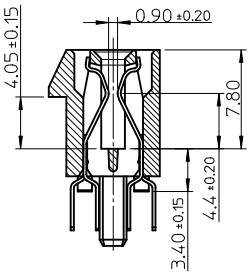




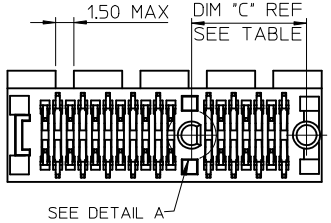
NOTES:
1.MATERIALS:
1-1.HOUSING: SEE TABLE ,GLASS FIBER FILLED UL94V-0,
COLOR: SEE TABLE.
1-2.CONTACT: SEE TABLE
2.PLATING:
2-1.CONTACT AREA: GOLD, THICKNESS : SEE TABLE .
2-2.SOLDER TAIL: 100 MICROINCH MIN. TIN PLATING.
2-3.UNDER PLATING: NICKEL PLATING OVERALL.
3.WEEK CODE: XX(YEAR) XX(WEEK) X(LOCATION).
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.

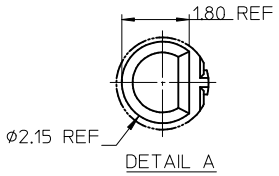






SECTION A-A





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

REVISED
EC NO: SH2010-0468 2010/06/15
DRWN:RZHANG 2004/07/20
CH'KD:ALLEN LIN 2004/07/20
APPR:XJSONG 2010/07/02
DESCRIPTION
REV

QUALITY SYMBOLS
EA=0
EC=0
EF=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

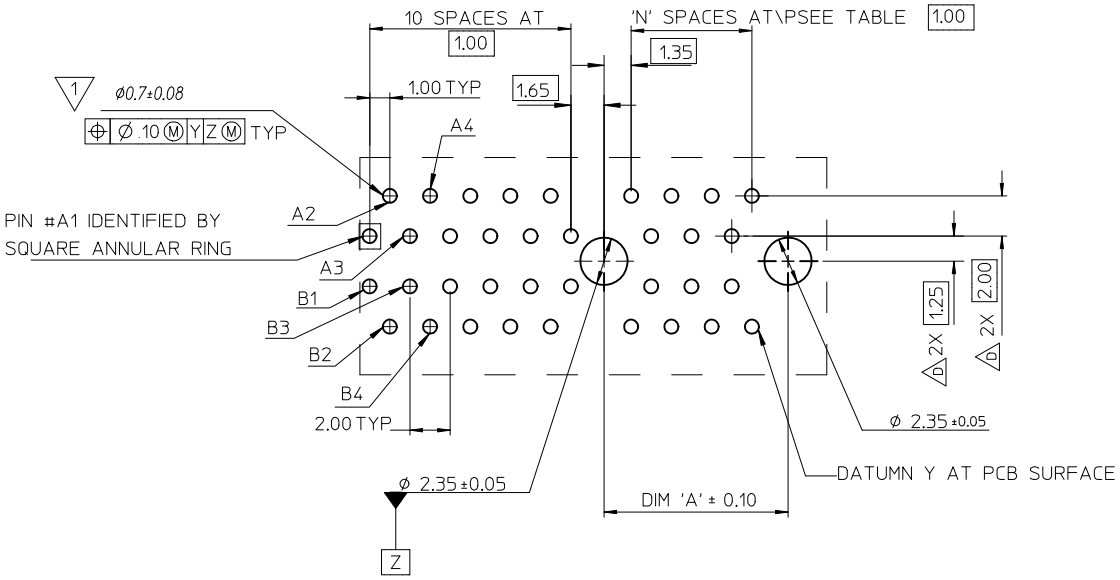
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TOM DATE: 2004/07/20
CHECKED BY: ALLEN LIN DATE: 2004/07/20
APPROVED BY: WILSON DATE: 2004/07/20
MATERIAL NO.: SEE SHEET 4

TITLE
PCI EXPRESS
EDGE CARD CONNECTOR
(LEAD FREE VERSION)
MOLEX INCORPORATED
DOCUMENT NO.: SD-87715-207
SHEET NO.: 1 OF 4
SIZE: A3

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



1 THE HORIZONTAL AXIS FOR THE HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO ø2.35 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS. THROUGH THE CENTER OF DATUM Z

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: SH2010-0468 2010/06/15
DRWN:RZHANG 2004/07/20
CH'KD:ALLEN LIN 2010/07/02
APPR:XJSONG
DESCRIPTION
REV

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

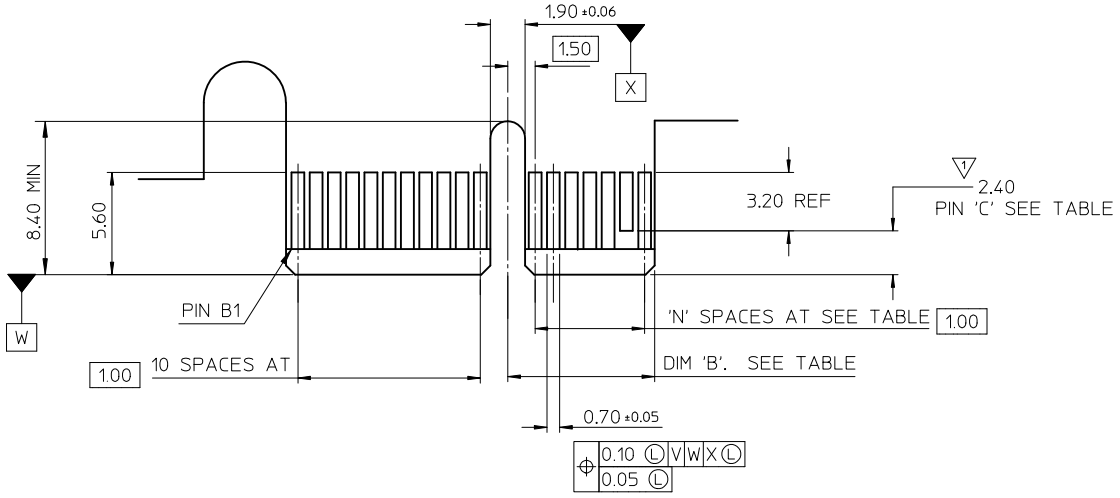
DRAWN BY: TOM DATE: 2004/07/20
CHECKED BY: ALLEN LIN DATE: 2004/07/20
APPROVED BY: WILSON DATE: 2004/07/20

TITLE
PCI EXPRESS
EDGE CARD CONNECTOR
(LEAD FREE VERSION)

molex MOLEX INCORPORATED

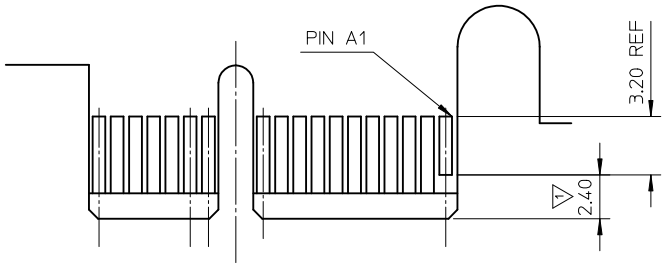
MATERIAL NO.: SEE SHEET 4
DOCUMENT NO.: SD-87715-207
SHEET NO.: 2 OF 4
SIZE: A3

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



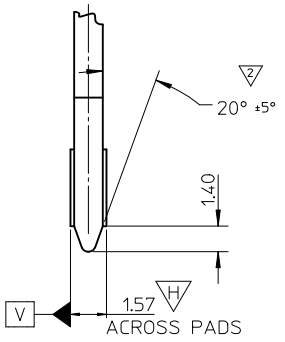
← I/O PANEL DIRECTION

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 EOGES 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
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: SH2010-0468 2010/06/15
DRWN:RZHANG 2004/07/20
CHKD:ALLEN LIN 2004/07/20
APPR:XJSONG 2010/07/02
DESCRIPTION
REV H

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TOM DATE: 2004/07/20
CHECKED BY: ALLEN LIN DATE: 2004/07/20
APPROVED BY: WILSON DATE: 2004/07/20
MATERIAL NO.: SEE SHEET 4

TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-87715-207
SHEET NO.: 3 OF 4
SIZE A3

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

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH
87715-9001	36	NYLON46	BLACK	PHOSPHOR BRONZE	10 MICROINCH	2.54
87715-9003					GOLD FLASH	3.00
87715-9004					10 MICROINCH	
87715-9007					GOLD FLASH	2.30
87715-9008					15 MICROINCH	

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH
87715-9100	64	NYLON46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	2.54
87715-9101					10 MICROINCH	
87715-9102					15 MICROINCH	
87715-9103					GOLD FLASH	3.00
87715-9104					10 MICROINCH	
87715-9105					15 MICROINCH	
87715-9106					30 MICROINCH	2.54
87715-9107					GOLD FLASH	2.30
87715-9108					15 MICROINCH	
87715-9109					30 MICROINCH	3.00

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH
87715-9200	98	NYLON46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	2.54
87715-9201					10 MICROINCH	
87715-9202					15 MICROINCH	
87715-9203					GOLD FLASH	3.00
87715-9204					10 MICROINCH	
87715-9205					15 MICROINCH	
87715-9206					30 MICROINCH	2.54
87715-9207					GOLD FLASH	2.30
87715-9208					15 MICROINCH	
87715-9209					30 MICROINCH	3.00

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH
87715-9602	98	NYLON46	BLACK	BRASS	15 MICROINCH	2.54

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH
87715-9301	164	NYLON46	BLACK	PHOSPHOR BRONZE	10 MICROINCH	2.54
87715-9304						3.00
87715-9307					GOLD FLASH	2.30
87715-9308					15 MICROINCH	

SEE SHEET 1
EC NO: SH2010-0468 2010/06/15
DRWN:RZHANG 2004/07/20
CH'KD:ALLEN LIN 2004/07/20
APPR:XJSONG 2010/07/02
DESCRIPTION
H
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

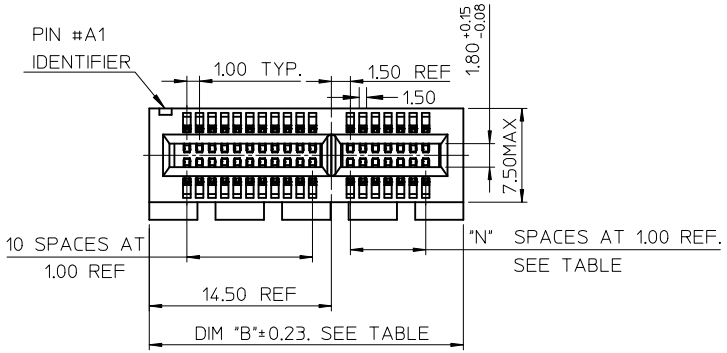
DRAWN BY: TOM DATE: 2004/07/20
CHECKED BY: ALLEN LIN DATE: 2004/07/20
APPROVED BY: WILSON DATE: 2004/07/20

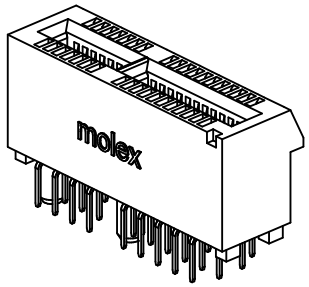
TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)

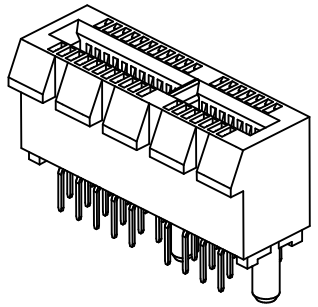
molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87715-207
SHEET NO.: 4 OF 4
SIZE: A3

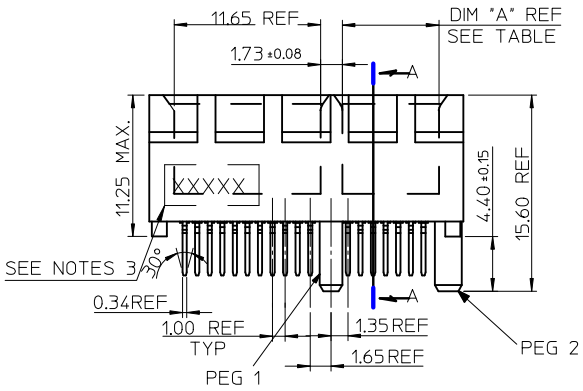
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

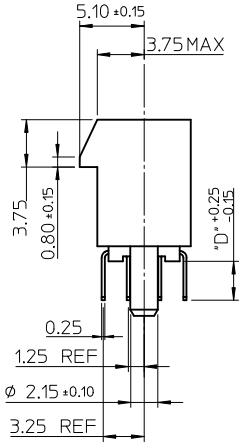


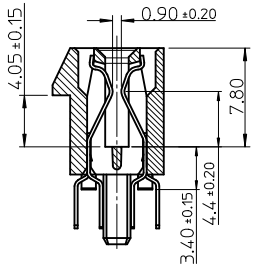




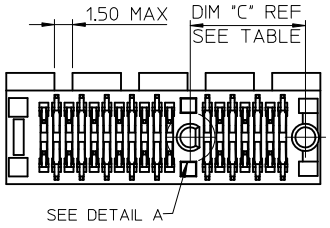
NOTES:
1.MATERIALS:
1-1.HOUSING: SEE TABLE ,GLASS FIBER FILLED UL94V-0,
COLOR: SEE TABLE.
1-2.CONTACT: SEE TABLE
2.PLATING:
2-1.CONTACT AREA: GOLD, THICKNESS : SEE TABLE .
2-2.SOLDER TAIL: 100 MICROINCH MIN. TIN PLATING.
2-3.UNDER PLATING: NICKEL PLATING OVERALL.
3.DATE CODE: YY MM DD.
4.PRODUCT SPECIFICATION REFER TO PS-87715-200.
5.TEST SUMMARY:REFER TO TS-87715-207.

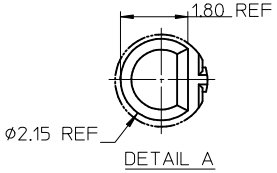






SECTION A-A





DETAIL A

CONNECTOR LINK WIDTH	# POS REF	N	DIM "A"	DIM "B"	DIM "C"
X1	36	6	7.65	25.00	9.15
X16	164	70	71.65	89.00	73.15

PCB THK (REF)	DIM "D"
1.58	2.54
2.36	3.00

REVISED
E
EC NO: SH2011-0358 2011/06/02
DRWN:FYANG05 2011/06/07
CH'KD:
APPR:RZHANG
DESCRIPTION
REV

QUALITY SYMBOLS
FA=0
FC=0
FD=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
SCALE:
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DAVID HU DATE: 2007/05/14
CHECKED BY: HARVEY DATE: 2007/05/14
APPROVED BY: JENNY CHEN DATE: 2007/05/14

TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)
MOLEX INCORPORATED
MATERIAL NO.: SEE SHEET 4
DOCUMENT NO.: SD-87715-901
SHEET NO.: 1 OF 4
SIZE: A3

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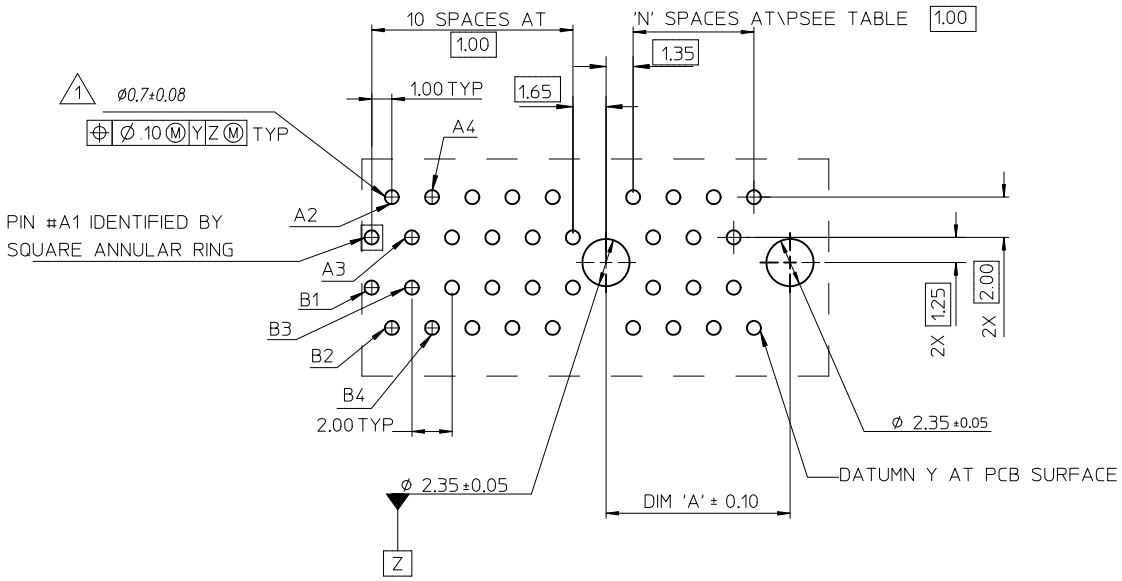


1 THE HORIZONTAL AXIS FOR THE HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO ø2.35 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS. THROUGH THE CENTER OF DATUM Z

CONNECTOR LINK WIDTH	# POS REF	N	DIM 'A'
X1	36	6	9.15
X16	164	70	73.15

SEE SHEET 1
EC NO: SH2011-0358 2011/06/02
DRWN:FYANG05
CH'KD:
APPR:RZHANG 2011/06/07
DESCRIPTION
REV E

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

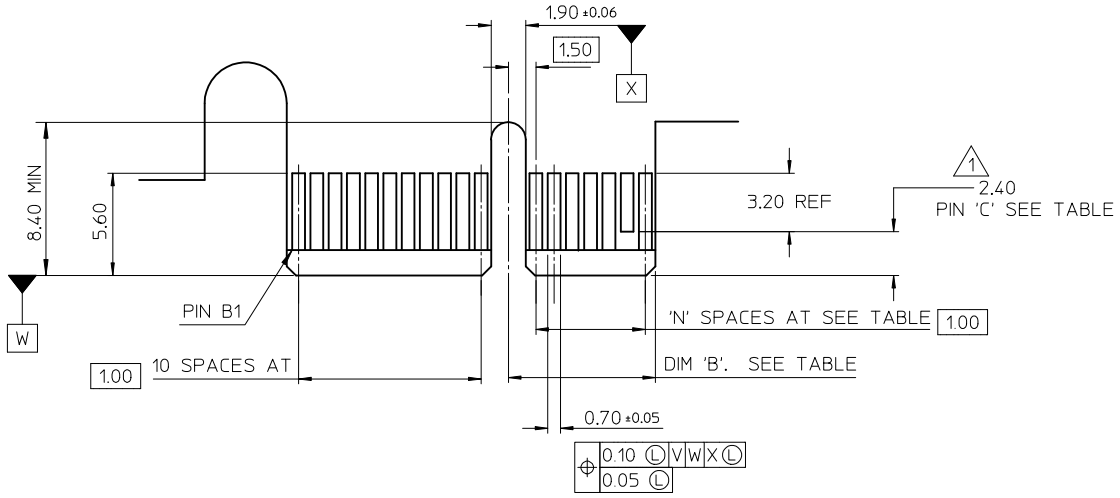
DRAWN BY: DAVID HU DATE: 2007/05/14
CHECKED BY: HARVEY DATE: 2007/05/14
APPROVED BY: JENNY CHEN DATE: 2007/05/14

TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)

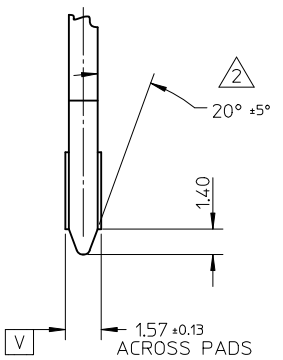
molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-87715-901
SHEET NO.: 2 OF 4
SIZE A3

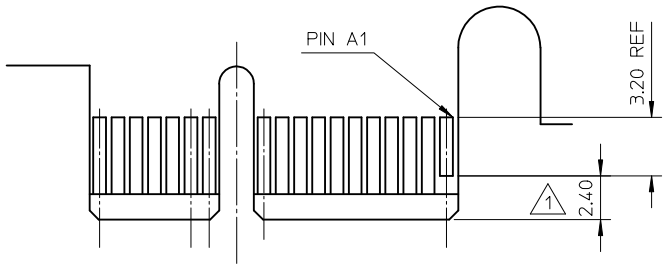
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



← 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 EOGES 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

SEE SHEET 1
EC NO: SH2011-0358 2011/06/02
DRWN:FYANG05 2011/06/07
CH'KD:
APPR:RZHANG
DESCRIPTION
REV
E

QUALITY SYMBOLS
F_A=0
F_C=0
F_V=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DAVID HU DATE: 2007/05/14
CHECKED BY: HARVEY DATE: 2007/05/14
APPROVED BY: JENNY CHEN DATE: 2007/05/14
MATERIAL NO.: SEE SHEET 1

TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-87715-901
SHEET NO.: 3 OF 4
SIZE: A3

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

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH	PEG 1	PEG 2	DESCRIPTION
87715-9000	36	NYLON46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	2.54	WITH	WITH	TOOLED
87715-9002					15 MICROINCH				
87715-9005					15 MICROINCH	3.00			
87715-9006					30 MICROINCH	2.54			
87715-9009					30 MICROINCH	3.00			

(D) (B)

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL "D" LENGTH	PEG 1	PEG 2	DESCRIPTION
87715-9300	164	NYLON46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	2.54	WITH	WITH	TOOLED
87715-9302					15 MICROINCH				
87715-9303					GOLD FLASH	3.00			
87715-9305					15 MICROINCH				
87715-9306					30 MICROINCH	2.54			
87715-9309					30 MICROINCH	3.00			

(D) (B)

SEE SHEET 1
EC NO: SH2011-0358 2011/06/02
DRWN:FYANG05
CH'KD:
APPR:RZHANG 2011/06/07
DESCRIPTION
REV E

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DAVID HU DATE: 2007/05/14
CHECKED BY: HARVEY DATE: 2007/05/14
APPROVED BY: JENNY CHEN DATE: 2007/05/14

TITLE: PCI EXPRESS EDGE CARD CONNECTOR (LEAD FREE VERSION)

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-87715-901
SHEET NO.: 4 OF 4
SIZE: A3

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OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

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