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Part Number: [0473220322](#)
Status: **Active**
Description: 1.00mm (.039") Pitch ExpressCard* 34mm (1.34") Header, Bottom Mount, Push-Push Type, with 3.22mm (.127") Stand Off, Lead Free

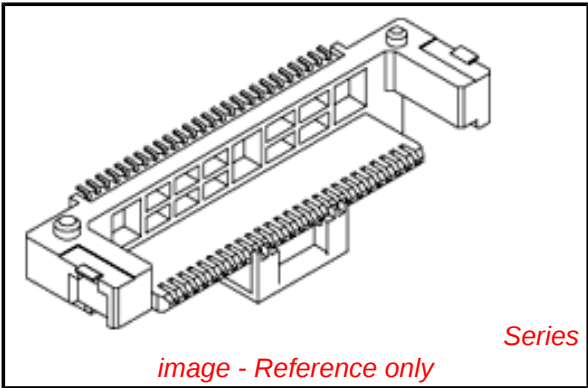
Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-47277-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Memory Card Sockets
Series	47322
Button Type	Push-Push
Component Type	Header/Socket (Host)
Product Name	ExpressCard*
Type	N/A
Physical	
Card Detection Switch	No
Circuits (Loaded)	26
Circuits (maximum)	26
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	Horizontal
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
PCB Locator	Yes
PCB Mounting Side	Reverse
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	1.00 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	60
Plating min: Termination (µm)	1.5
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.75A
Shielded	No
Voltage - Maximum	3.3V DC
Voltage Key	N/A

Material Info

Reference - Drawing Numbers	
Packaging Specification	PK-47322-012
Product Specification	PS-47277-001
Sales Drawing	SD-47322-002



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed



Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[47322Series](#)

Mates With
ExpressCard* Module

Use With
[473220323](#)

| * ExpressCard is trademark, or registered trademark of PCMCIA

This document was generated on 06/01/2010

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F

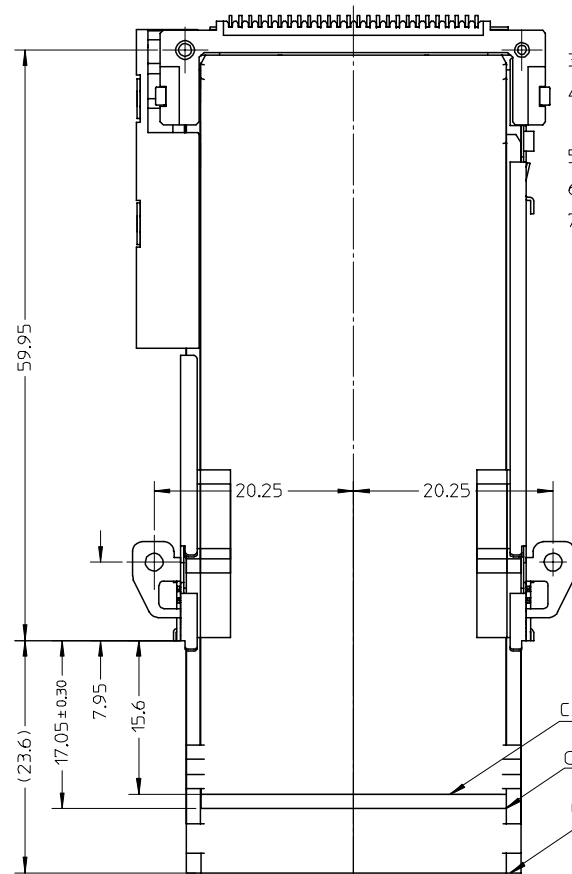
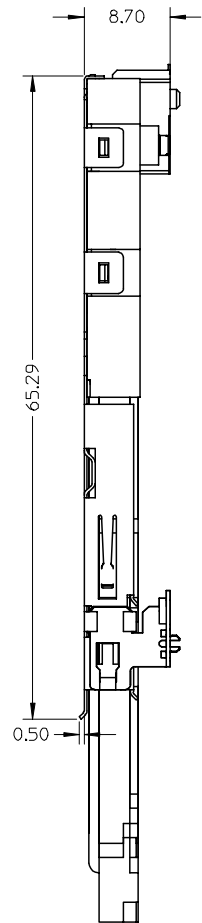
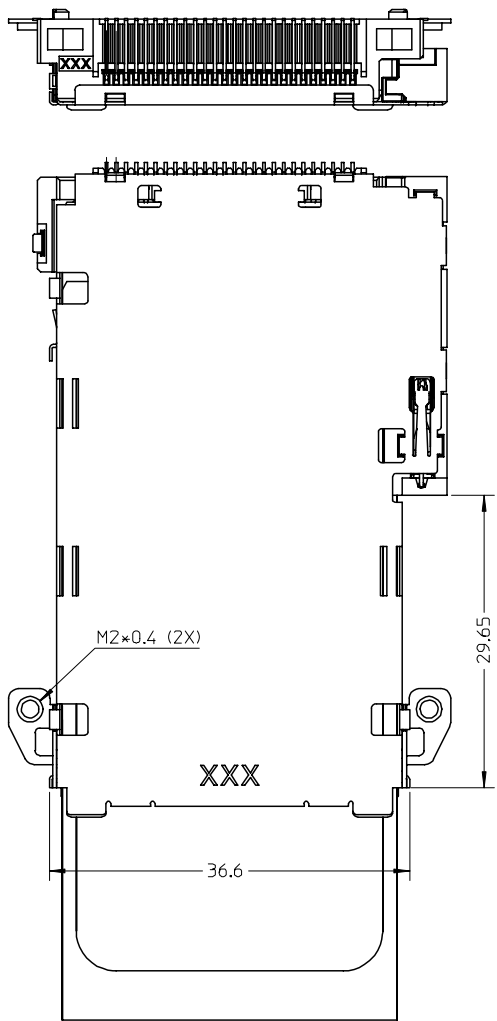
E

D

C

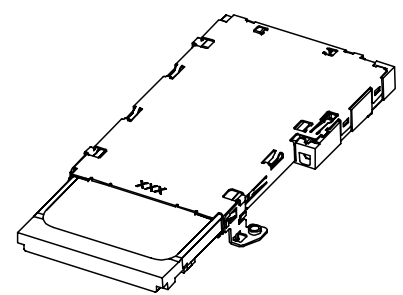
B

A



NOTES:

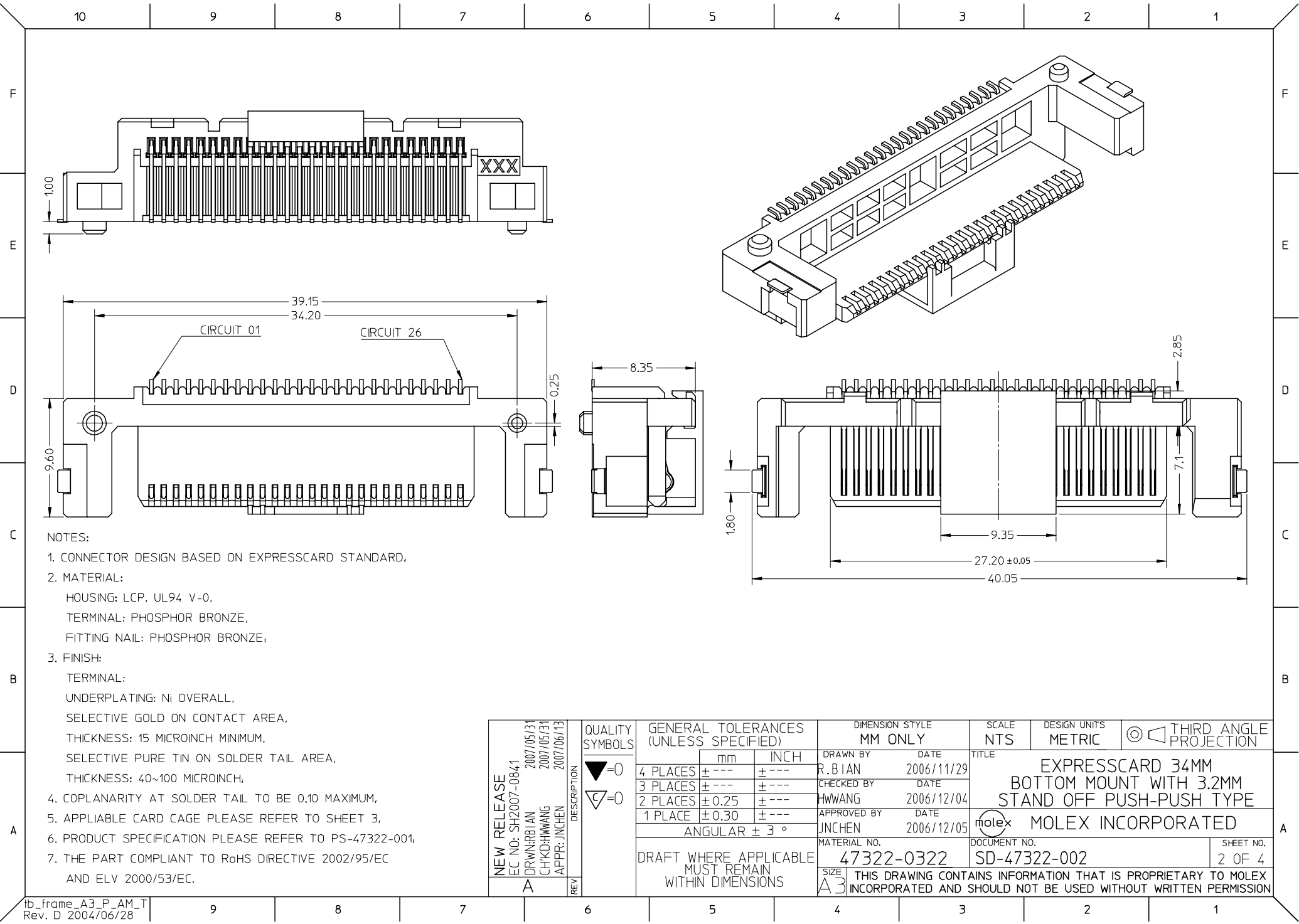
1. CONNECTOR DESIGN BASED ON EXPRESSCARD STANDARD,
2. COMPONENTS:
HEADER: SHEET 2
EJECTOR: SHEET 3
3. PCB LAYOUT PLEASE REFER TO SHEET 4;
4. TAIL COMPLANARITY OF HEADER TO BE 0.10 MAXIMUM;
TRUE POSITION IS 0.15 MAXIMUM BETWEEN SOLDER TAILS;
5. NON REFLOW PROCESS FOR CARD CAGE.
6. SCREW FASTENING TORQUE: 1.0 KGF-CM;
7. PRODUCT SPECIFICATION PLEASE REFER TO PS-47277-001.



CARD FULL PUSH POSITION
CARD WORKING POSITION
CARD EJECTED POSITION

NEW RELEASE EC NO: SH2007-0841 DRWN:RB1AN 2007/05/31 CHKD:HWANG 2007/05/31 APPR: JNCHEN 2007/06/13 A	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm INCH		DRAWN BY R.B1AN	DATE 2006/11/29	TITLE EXPRESSCARD 34MM BOTTOM MOUNT WITH 3.2MM STAND OFF PUSH-PUSH TYPE				
				4 PLACES ± --- ± ---		CHECKED BY HWANG	DATE 2006/12/04					
				3 PLACES ± --- ± ---		APPROVED BY JNCHEN						
				2 PLACES ± 0.25 ± ---		MATERIAL NO. N/A		DOCUMENT NO. SD-47322-002	SHEET NO. 1 OF 4			
				1 PLACE ± 0.30 ± ---		MOLEX MOLEX INCORPORATED						
				ANGULAR ± 3 °								

9 8 7 6 5 4 3 2 1



NOTES:

- CONNECTOR DESIGN BASED ON EXPRESSCARD STANDARD,
- MATERIAL:
HOUSING: LCP, UL94 V-0,
TERMINAL: PHOSPHOR BRONZE,
FITTING NAIL: PHOSPHOR BRONZE,
- FINISH:
TERMINAL:
UNDERPLATING: Ni OVERALL,
SELECTIVE GOLD ON CONTACT AREA,
THICKNESS: 15 MICROINCH MINIMUM,
SELECTIVE PURE TIN ON SOLDER TAIL AREA,
THICKNESS: 40~100 MICROINCH,
- COPLANARITY AT SOLDER TAIL TO BE 0.10 MAXIMUM,
- APPLIABLE CARD CAGE PLEASE REFER TO SHEET 3,
- PRODUCT SPECIFICATION PLEASE REFER TO PS-47322-001,
- THE PART COMPLIANT TO RoHS DIRECTIVE 2002/95/EC
AND ELV 2000/53/EC.

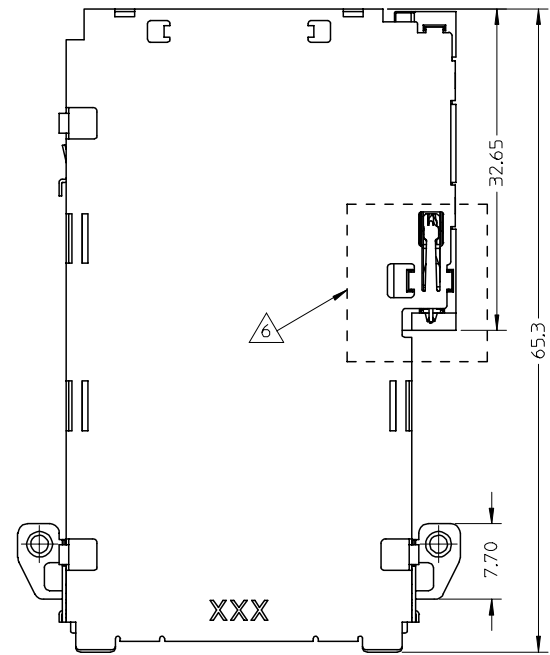
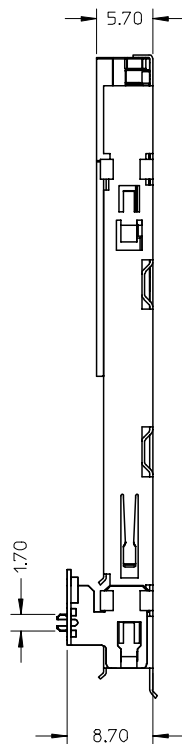
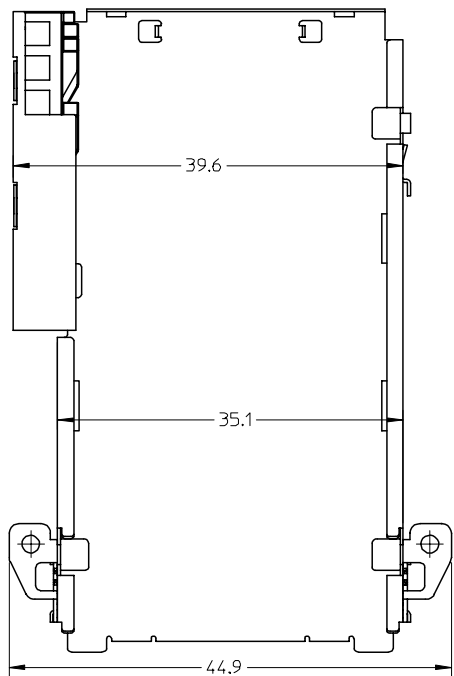
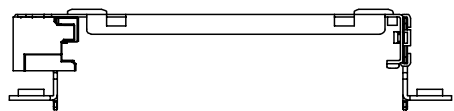
NEW RELEASE EC NO: SH2007-0841 DRWNR: BIAN CHKD: HWANG APPR: JNCHEN REV A	2007/05/31
	2007/05/31
	2007/06/13

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.30	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
R.BIAN	2006/11/29
CHECKED BY	DATE
HWANG	2006/12/04
APPROVED BY	DATE
JNCHEN	2006/12/05
MATERIAL NO.	
47322-0322	
SIZE	
A3	

SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
TITLE EXPRESSCARD 34MM BOTTOM MOUNT WITH 3.2MM STAND OFF PUSH-PUSH TYPE			
MOLEX INCORPORATED			
DOCUMENT NO. SD-47322-002			SHEET NO. 2 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



NOTES:

1. CONNECTOR DESIGN BASED ON EXPRESSCARD STANDARD;
2. THIS SLOT CAN ACCEPT ONLY 34MM EXPRESSCARD;
3. PRODUCT SPECIFICATION PLEASE REFER TO PS-47277-001;
4. MATERIAL:

COIL SPRING: PIANO WIRE

EJECTOR HOUSING: NYLON 46, UL94 V-0,

HOUSING SLOT: NYLON 46, UL94 V-0,

SHELL: STAINLESS STEEL,

CAM PIN: STAINLESS STEEL,

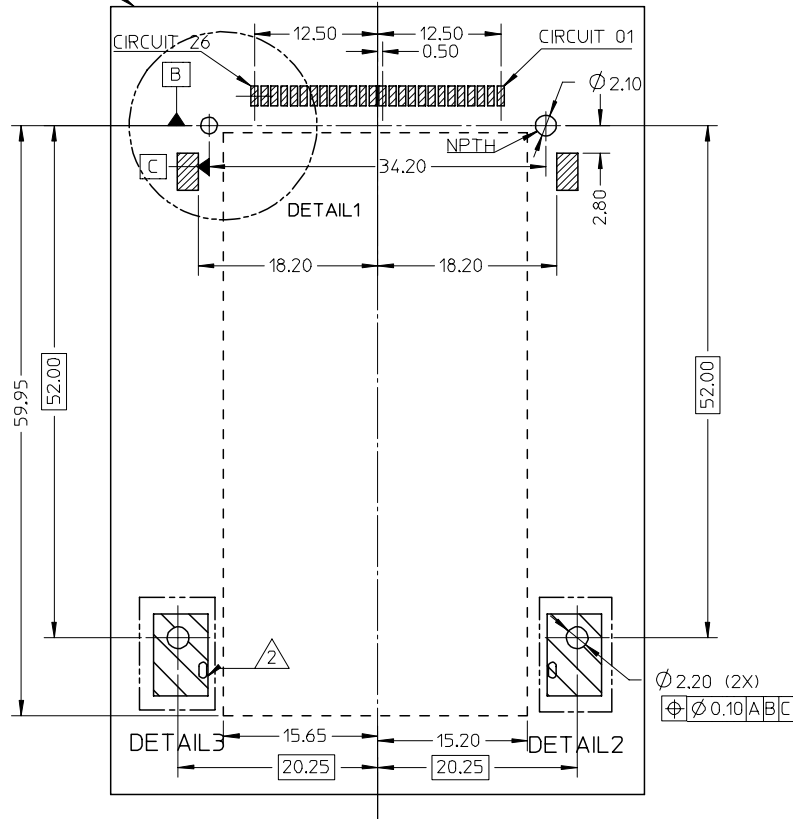
5. THE PART COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

6. ANY FORCE ON THIS AREA IS PROHIBITED.

NEW RELEASE EC NO: SH2007-0841 2007/05/31 DRWN:RB1AN CHKD:HWANG 2007/05/31 APPR: JNCHEN 2007/06/13	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm INCH		DRAWN BY DATE		TITLE EXPRESSCARD 34MM BOTTOM MOUNT WITH 3.2MM STAND OFF PUSH-PUSH TYPE				
			4 PLACES ± --- ± ---		R.BIAN 2006/11/29						
			3 PLACES ± --- ± ---		CHECKED BY DATE						
			2 PLACES ± 0.25 ± ---		HWANG 2006/12/04						
1 PLACE ± 0.30 ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED							
JNCHEN 2006/12/05											
ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		47322-0323		SD-47322-002		3 OF 4					
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

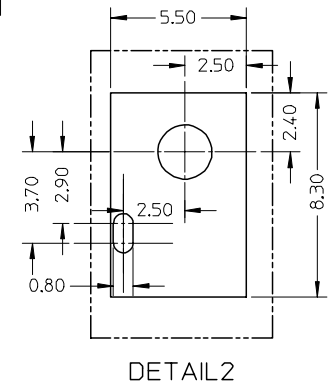
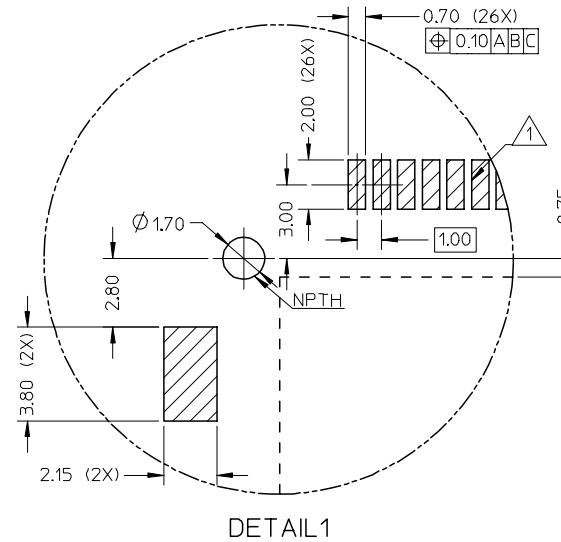
10 9 8 7 6 5 4 3 2 1

DATUM "A" IS THE
TOP SURFACE OF PCB

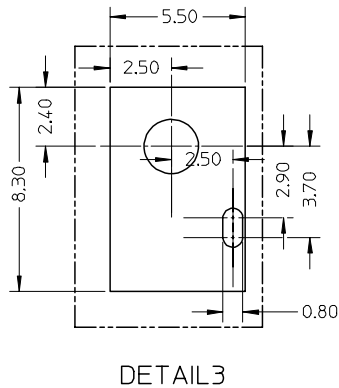


NOTES:

1. SOLDER PAD AREA
2. GROUNDING PAD AREA
3. STAND OFF AREA, AVAILABLE COMPONENTS HEIGHT: 2.70mm.



RECOMMENDED PCB LAYOUT
COMPONENT SIDE



NEW RELEASE EC NO: SH2007-0841 DRWNR:BIAN 2007/05/31 CHKD:HWANG 2007/05/31 APPR: JNCHEN 2007/06/13	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY R.BIAN	DATE 2006/11/29	TITLE EXPRESSCARD 34MM BOTTOM MOUNT WITH 3.2MM STAND OFF PUSH-PUSH TYPE		
				± ---	± ---	CHECKED BY HWANG	DATE 2006/12/04			
				± ---	± ---	APPROVED BY JNCHEN	DATE 2006/12/05			
				± 0.05	± ---	MOLEX INCORPORATED				
				± ---	± ---	MOLEX INCORPORATED				
			ANGULAR ± 3 °		MATERIAL NO. N/A		DOCUMENT NO. SD-47322-002		SHEET NO. 4 OF 4	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

9 8 7 6 5 4 3 2 1