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Part Number: [0473220002](#)
Status: **Active**
Description: 1.00mm (.039") Pitch ExpressCard* Header, Bottom Mount, Push-Push Type, Lead Free

Documents:
[3D Model](#) [Product Specification PS-47277-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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	N/A
Circuits (Loaded)	26
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	Vertical (Top Entry)
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
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	60
Plating min: Termination (µm)	1.5
Ports	1
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

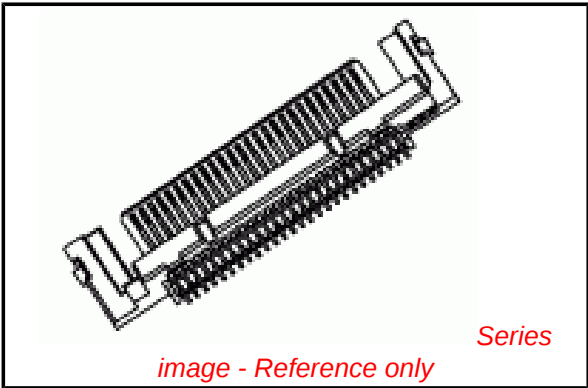
Electrical	
Current - Maximum per Contact	0.75A
Shielded	No
Voltage - Maximum	3.3V DC

Material Info

Reference - Drawing Numbers

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

* ExpressCard is trademark, or registered trademark of PCMCIA



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

China RoHS



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

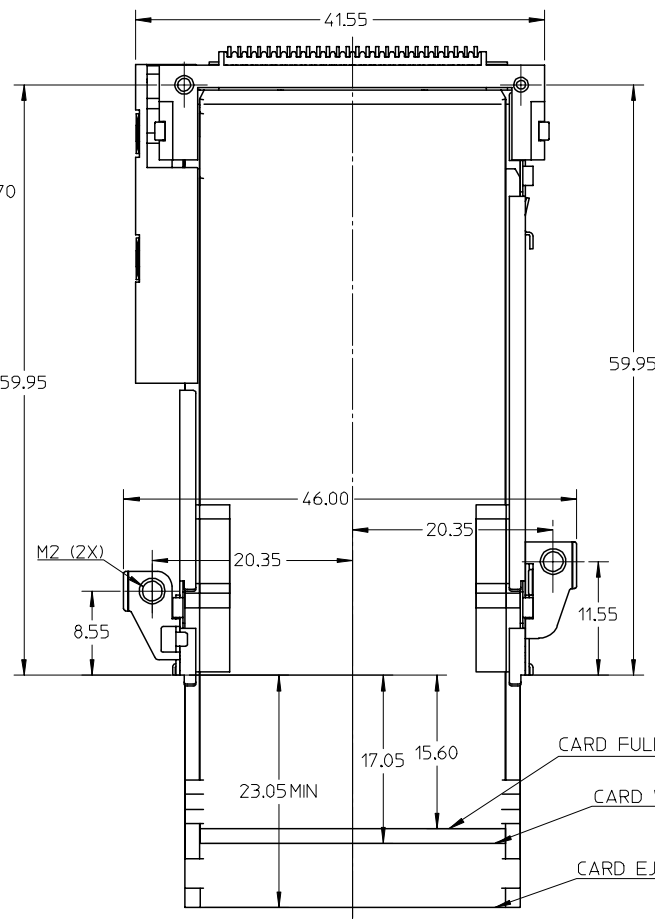
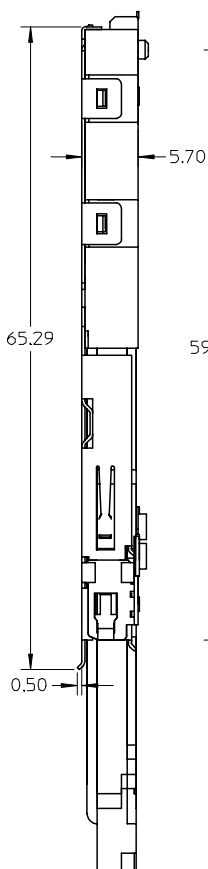
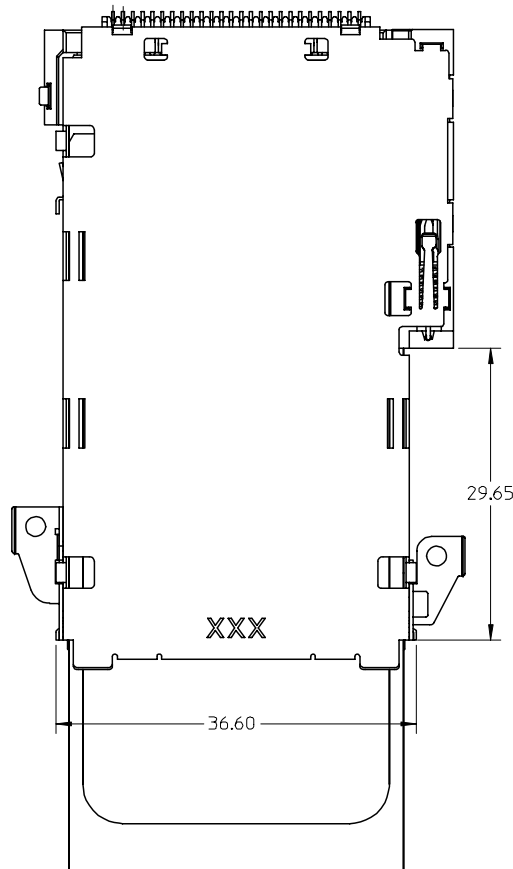
Use With
[473220003](#)

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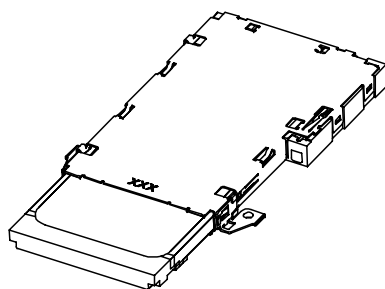
10 9 8 7 6 5 4 3 2 1

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 EJECTOR.
6. SCREW FASTENING TORQUE: 1.0 KGF-CM;
7. PRODUCT SPECIFICATION PLEASE REFER TO PS-47277-001.
8. 47322-0001 COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



CARD FULL PUSH POSITION
CARD WORKING POSITION
CARD EJECTED POSITION



EC NO: SH2007-0352	2006/11/17	2006/11/22	2006/11/28
DRWN: CHEN	CHKD: HARVEY	APPR: JCHEN	
A1	REV	DESCRIPTION	

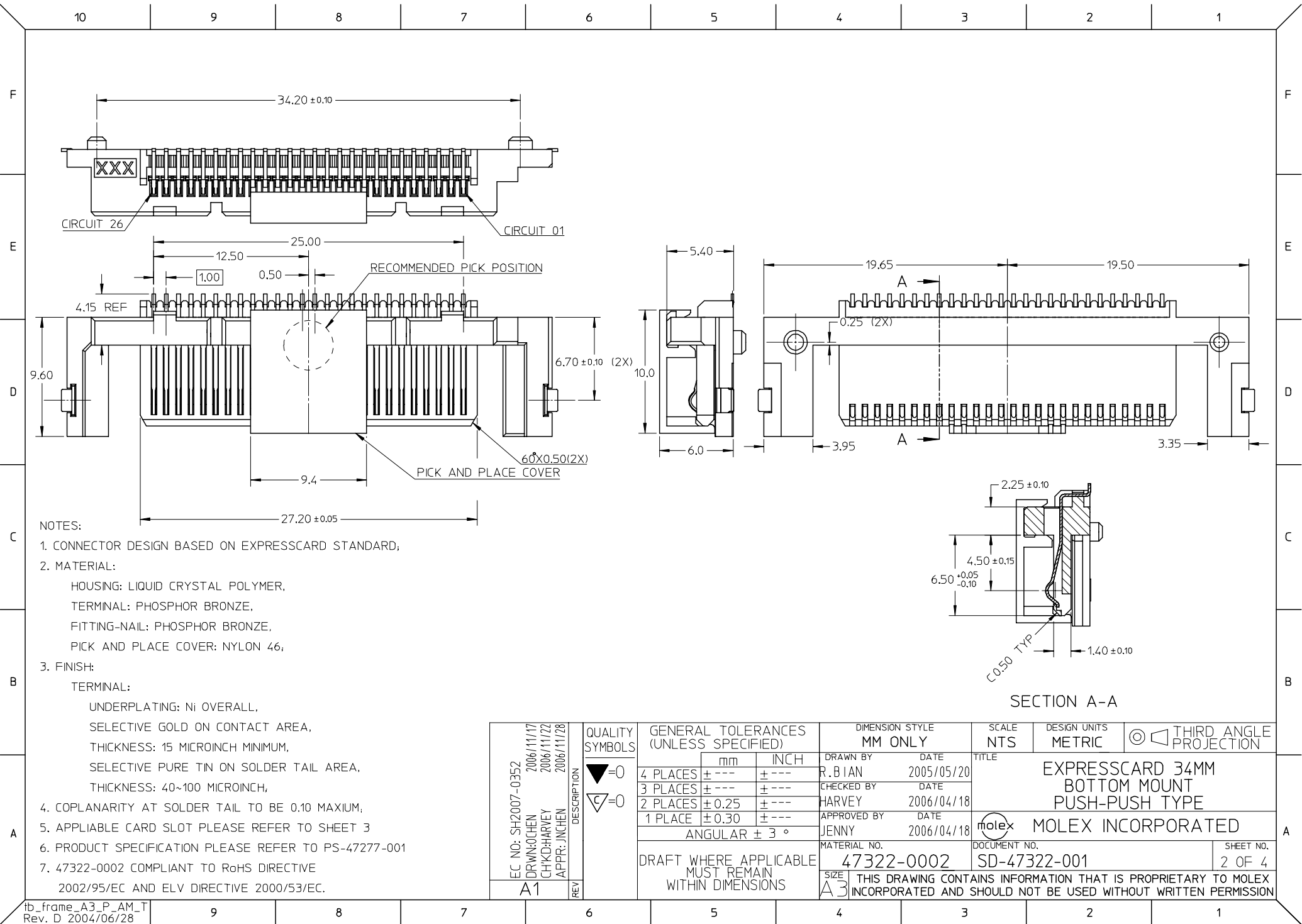
QUALITY SYMBOLS
$\nabla = 0$
$\nabla C = 0$

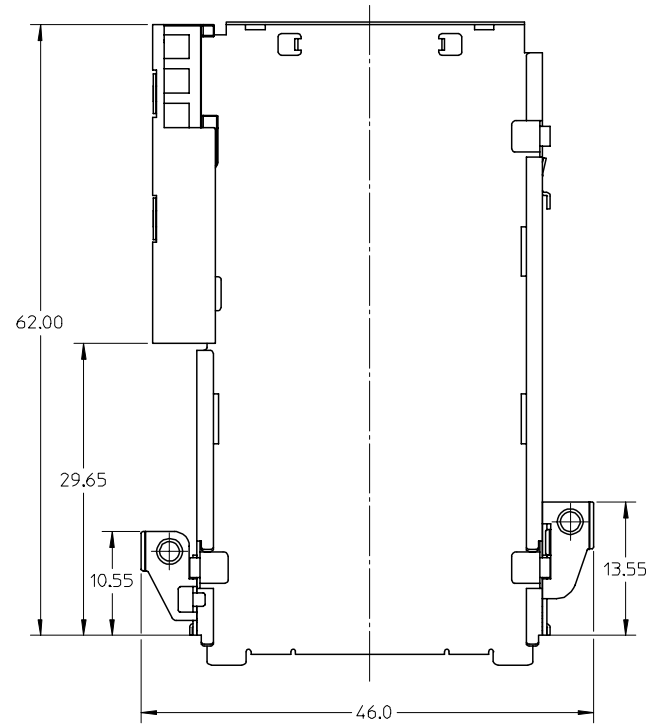
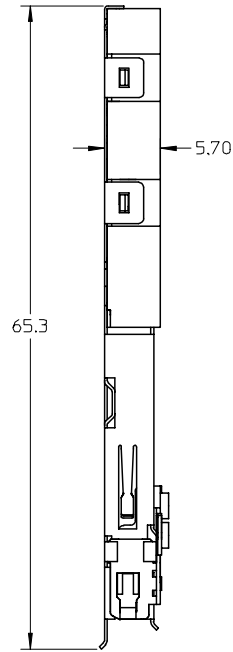
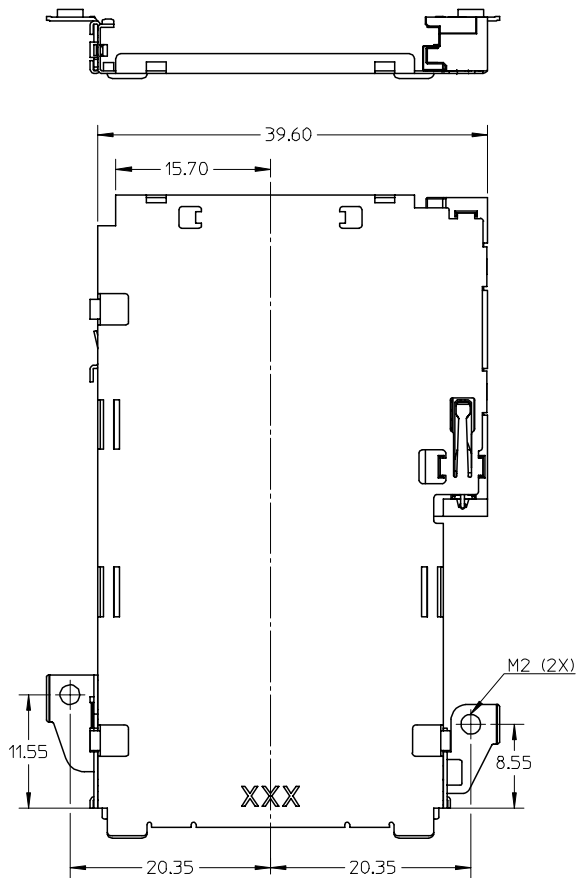
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± 0.25	± 0.010
3 PLACES	± 0.25	± 0.010
2 PLACES	± 0.25	± 0.010
1 PLACE	± 0.30	± 0.012
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
R. BIAN	2005/05/20
CHECKED BY	DATE
HARVEY	2006/04/18
APPROVED BY	DATE
JENNY	2006/04/18
MATERIAL NO.	
47322-0001	
SIZE A3	

SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE		
EXPRESSCARD 34MM BOTTOM MOUNT PUSH-PUSH TYPE		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-47322-001		1 OF 4
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





NOTES:

1. CONNECTOR DESIGN BASED ON EXPRESSCARD STANDARD;
2. THIS SLOT CAN ACCEPT ONLY 34MM EXPRESSCARD;
3. WHEN DELIVERING, THE CAM SLIDER MUST KEEP RELEASE STATUS;
4. PRODUCT SPEC PLEASE REFER TO PS-47277-001;
5. MATERIAL:

COIL SPRING: PIANO STEEL
EJECTOR HOUSING: NYLON 46
HOUSING SLOT: NYLON 46
SHELL: STAINLESS STEEL
CAM PIN: STAINLESS STEEL

6. 47322-0003 COMPLIANT TO RoHS DIRECTIVE
2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

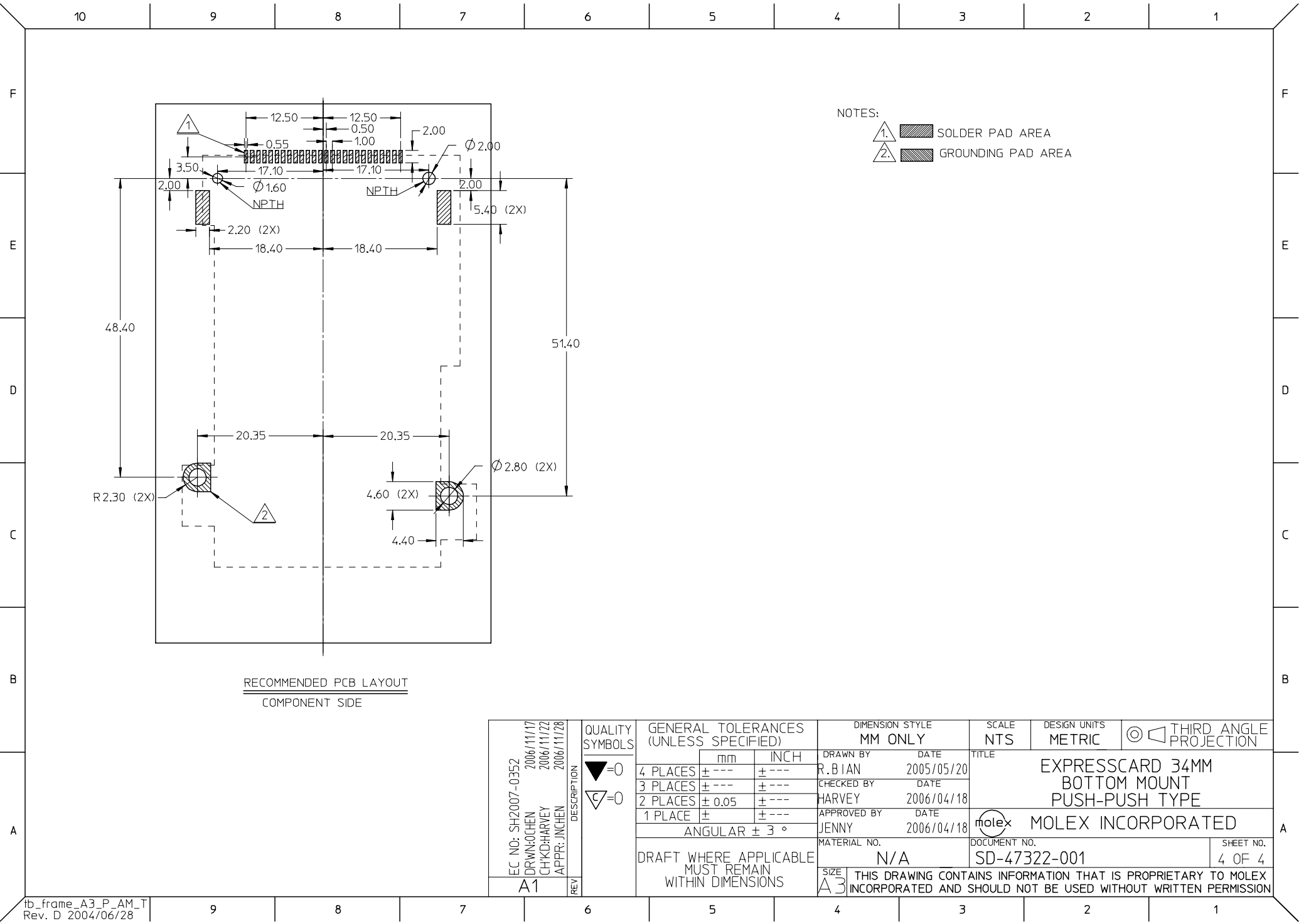
EC NO: SH2007-0352	2006/11/17
DRWN: CHEN	2006/11/22
CHKD: HARVEY	2006/11/28
APPR: JCHEN	2006/11/28
A1	REV

QUALITY SYMBOLS
$\nabla=0$
$\nabla=0$

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

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
R.BIAN	2005/05/20
CHECKED BY	DATE
HARVEY	2006/04/18
APPROVED BY	DATE
JENNY	2006/04/18
MATERIAL NO.	
47322-0003	
SIZE	A3

SCALE NTS	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE EXPRESSCARD 34MM BOTTOM MOUNT PUSH-PUSH TYPE			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-47322-001			SHEET NO. 3 OF 4
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NOTES:

1. SOLDER PAD AREA

2. GROUNDING PAD AREA

RECOMMENDED PCB LAYOUT
COMPONENT SIDE

EC NO: SH2007-0352 DRWN: CHEN 2006/11/17 CHKD: HARVEY 2006/11/22 APPR: JCHEN 2006/11/28		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY R.BIAN		DATE 2005/05/20		EXPRESSCARD 34MM BOTTOM MOUNT PUSH-PUSH TYPE	
						CHECKED BY HARVEY		DATE 2006/04/18			
				ANGULAR ± 3 °		APPROVED BY JENNY		DATE 2006/04/18		MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. N/A		DOCUMENT NO. SD-47322-001		SHEET NO. 4 OF 4					
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							