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Part Number: [0473149053](#)
Status: **Active**
Description: 1.00mm (.039") Pitch 54mm ExpressCard* Stainless Steel Ejector, Top Mount, with Push-Push Mechanism, Lead free

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-47202-001 \(PDF\)](#)

General	
Product Family	Memory Card Sockets
Series	47314
Button Type	Push-Push
Comments	Slot design based on ExpressCard Standard Rev.1.0; Slot compatible with both 34mm and 54mm Cards
Component Type	Ejector (Host)
Product Name	ExpressCard*
Type	N/A

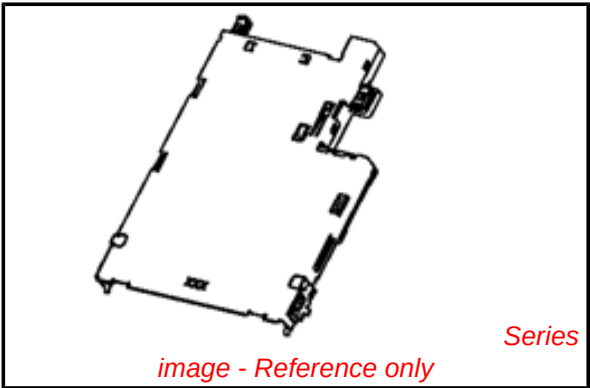
Physical	
Card Detection Switch	Yes
Circuits (Loaded)	N/A
Circuits (maximum)	0
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	N/A
Keying to Mating Part	Yes
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.000 In
Pitch - Mating Interface (mm)	0.00 mm
Pitch - Term. Interface (in)	0.000 In
Pitch - Term. Interface (mm)	0.00 mm
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0°C to +55°C

Electrical	
Current - Maximum per Contact	0.75A
Shielded	Yes
Voltage - Maximum	3.3V DC
Voltage Key	N/A

Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers	
Packaging Specification	PK-47314-002
Product Specification	PS-47202-001
Sales Drawing	SD-47314-001



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Halogen-Free



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
[47314Series](#)

Mates With
ExpressCard* Module

Use With
[473149052](#) Top Mount 54mm Header

| * ExpressCard is trademark, or registered trademark of PCMCIA

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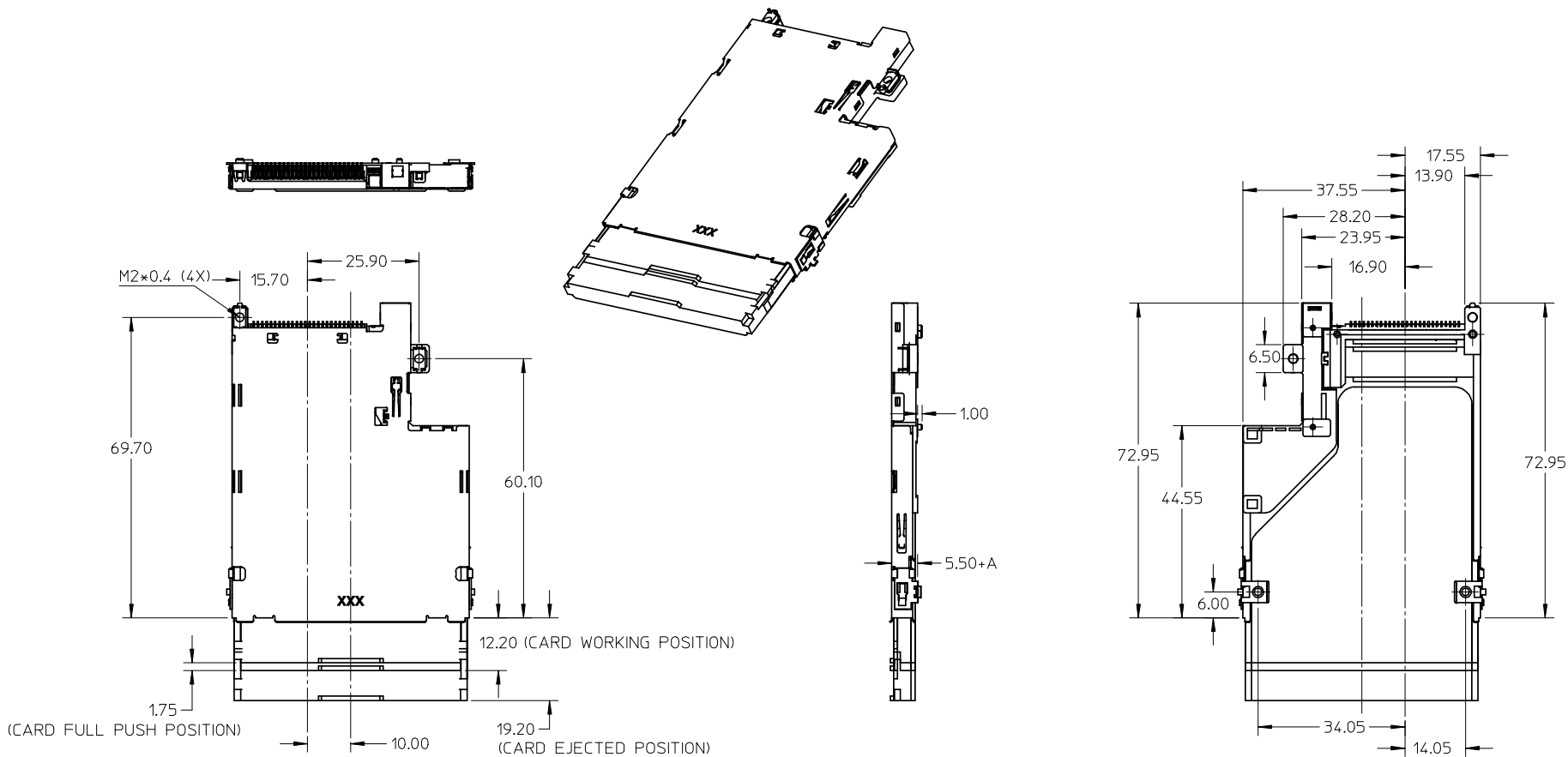
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D

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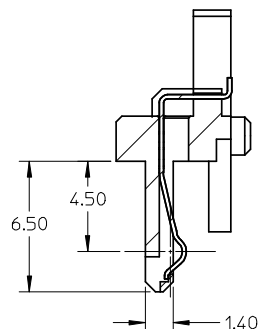
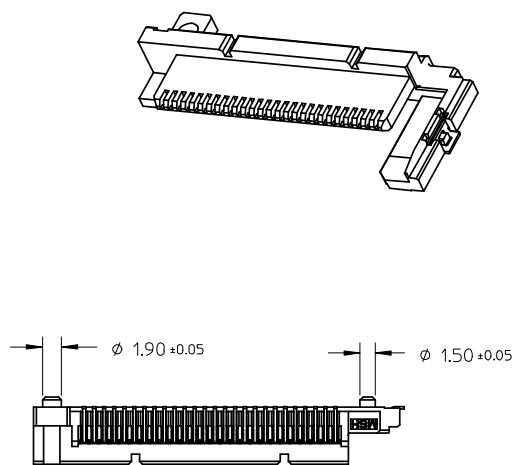
A



- NOTES:
1. COMPONENT:
HEADER: SHEET 2
EJECTOR: SHEET 3
 2. PCB LAYOUT PLEASE REFER TO SHEET 4,
 3. COPLANARTY OF HEADER FOR SMT SOLDER TAILS
TO BE 0.1mm MAXIMUM,
 4. PRODUCT SPECIFICATION PLEASE REFER TO PS-47202-001,
 5. SCREW FASTENING TORQUE: 1.5kgf-cm MAXIMUM,
 6. TRUE POSITION IS 0.15mm MAXIMUM BETWEEN SOLDER TAILS,
 7. NON-REFLOW PROCESS FOR CARD CAGE.

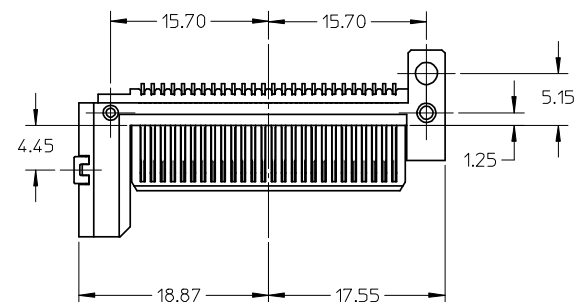
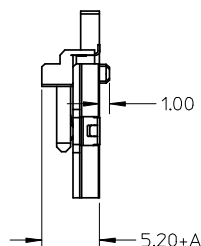
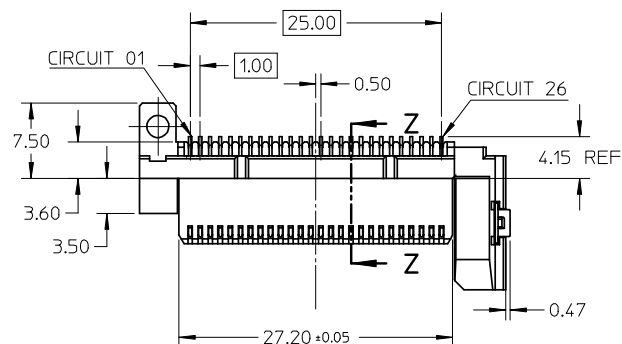
RELEASE EC NO: SH2008-0202 DRWN: FANG05 CHKD: APPR: HWANG REV	DESCRIPTION 2007/12/03 2007/12/04 2007/12/28	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY R. BIAN	DATE 2005/08/05	TITLE EXPRESSCARD TOP MOUNT WITH PUSH-PUSH MECHANISM (CARD PUSH)				
			4 PLACES	± ---	± ---	CHECKED BY					
			3 PLACES	± ---	± ---	MOLEX INCORPORATED					
			2 PLACES	± 0.25	± ---						
			1 PLACE	± 0.3	± ---						
			ANGULAR ± 3 °			APPROVED BY HARVEY WANG		DATE 2005/08/05		DOCUMENT NO. SD-47314-001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. N/A		SHEET NO. 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



SECTION Z-Z

SCALE:4:1



NOTES:

1. MATERIAL:

HOUSING: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOUR: BLACK.

TERMINAL: PHOSPHOR BRONZE

FITTING NAIL: PHOSPHOR BRONZE

2. FINISH:

TERMINAL: SELECTIVE GOLD(Au) IN CONTACT AREA.

THICKNESS: 0.3 MICROMETER MINIMUM

SELECTIVE PURE TIN ON SOLDER TAIL AREA.

THICKNESS: 1.5 MICROMETER MINIMUM

UNDERPLATING: NICKEL(Ni) OVERALL

3. COPLANARITY AT SOLDER TAIL TO BE 0.1mm MAXIMUM,

4. DESIGN BASED ON EXPRESSCARD STANDARD,

5. APPLICABLE EJECTOR PLEASE SEE TABLE,

6. PRODUCT SPECIFICATION PLEASE REFER TO PS-47202-001,

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

47314-0052	0.50 MM	47314-9053
PART NO.	A (STAND OFF HEIGHT)	APPLICABLE EJECTOR

tb_frame_A3_P_AM_T
Rev. D 2004/06/28

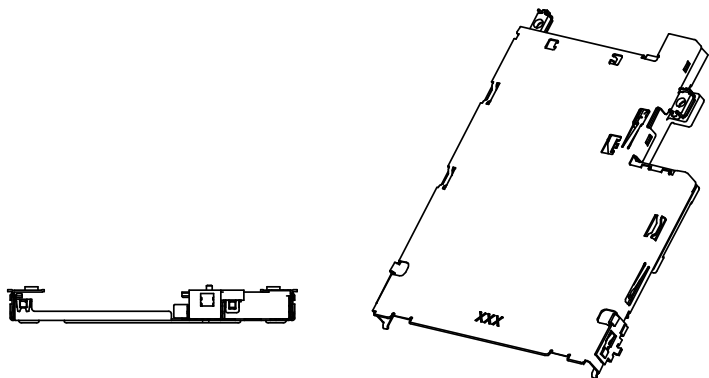
RELEASE	EC NO: SH2008-0202	2007/12/03
DRW: FANG05	2007/12/04	
CHKD:		
APPR: HWANG	2007/12/28	
REV	DESCRIPTION	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
R. BIAN	2005/08/05
CHECKED BY	DATE
APPROVED BY	DATE
HARVEY WANG	2005/08/05
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE	
NTS	METRIC	PROJECTION	
TITLE			
EXPRESSCARD TOP MOUNT WITH PUSH-PUSH MECHANISM (CARD PUSH)			
MOLEX MOLEX INCORPORATED			
DOCUMENT NO.			SHEET NO.
SD-47314-001			2 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



NOTES:

1. MATERIAL:

SHELL: STAINLESS STEEL

STAND OFF: STAINLESS STEEL

NUT: STAINLESS STEEL

COIL SPRING: STEEL WIRE

CAM SLIDER: NYLON 46, GLASS FILLED, UL94V-0, COLOUR: BLACK

SLIDER HOUSING: NYLON 46, GLASS FILLED, UL94V-0, COLOUR: BLACK

CAM PIN: STAINLESS STEEL

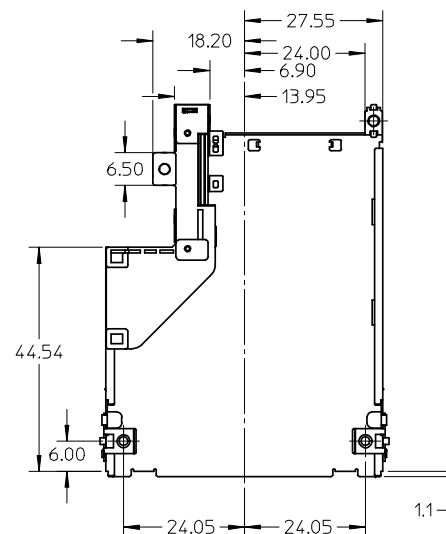
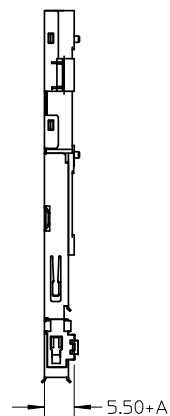
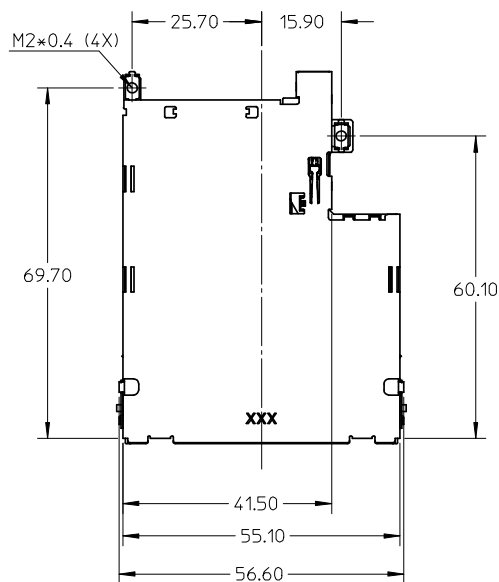
2. THIS SLOT TO BE COMPATIBLE BOTH 34mm CARD AND 54mm CARD;

3. THE EJECTOR MECHANISM TO BE ASSEMBLED BASE ON 34mm CARD CENTER LINE;

4. APPLICABLE HEADER PLEASE SEE TABLE;

5. PRODUCT SPECIFICATION PLEASE REFER TO PS-47202-001;

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



RELEASE
EC NO: SH2008-0202
2007/12/03
DRWN: YANG05
CHKD:
APPR: HWANG
2007/12/28

QUALITY SYMBOLS
=0
=0
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
R. BIAN	2005/08/05
CHECKED BY	DATE
APPROVED BY	DATE
HARVEY WANG	2005/08/05
MATERIAL NO.	
SEE TABLE	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	

TITLE
EXPRESSCARD TOP MOUNT
WITH PUSH-PUSH MECHANISM
(CARD PUSH)

MOLEX INCORPORATED

DOCUMENT NO.
SD-47314-001

SHEET NO.
3 OF 4

47314-9053	0.50 MM	47314-0052
PART NO.	A (STAND OFF HEIGHT)	APPLICABLE HEADER

