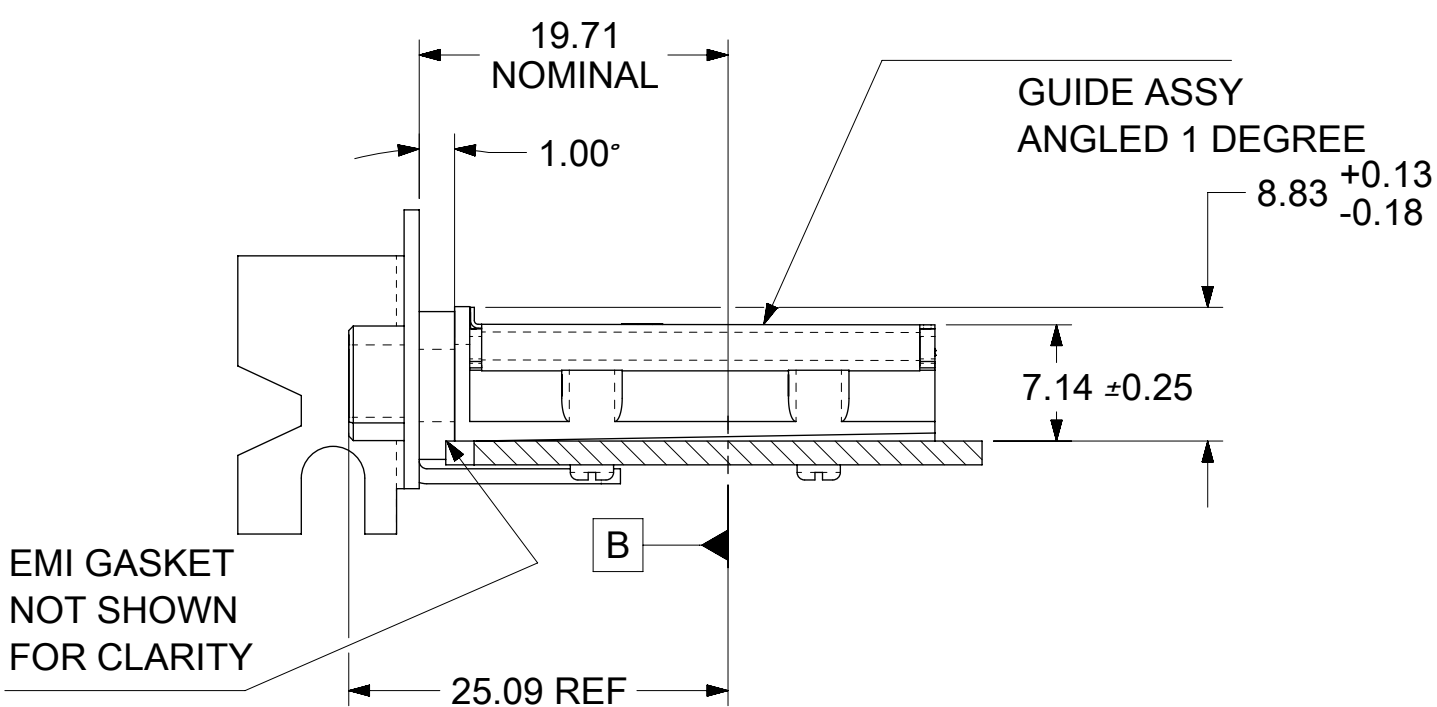
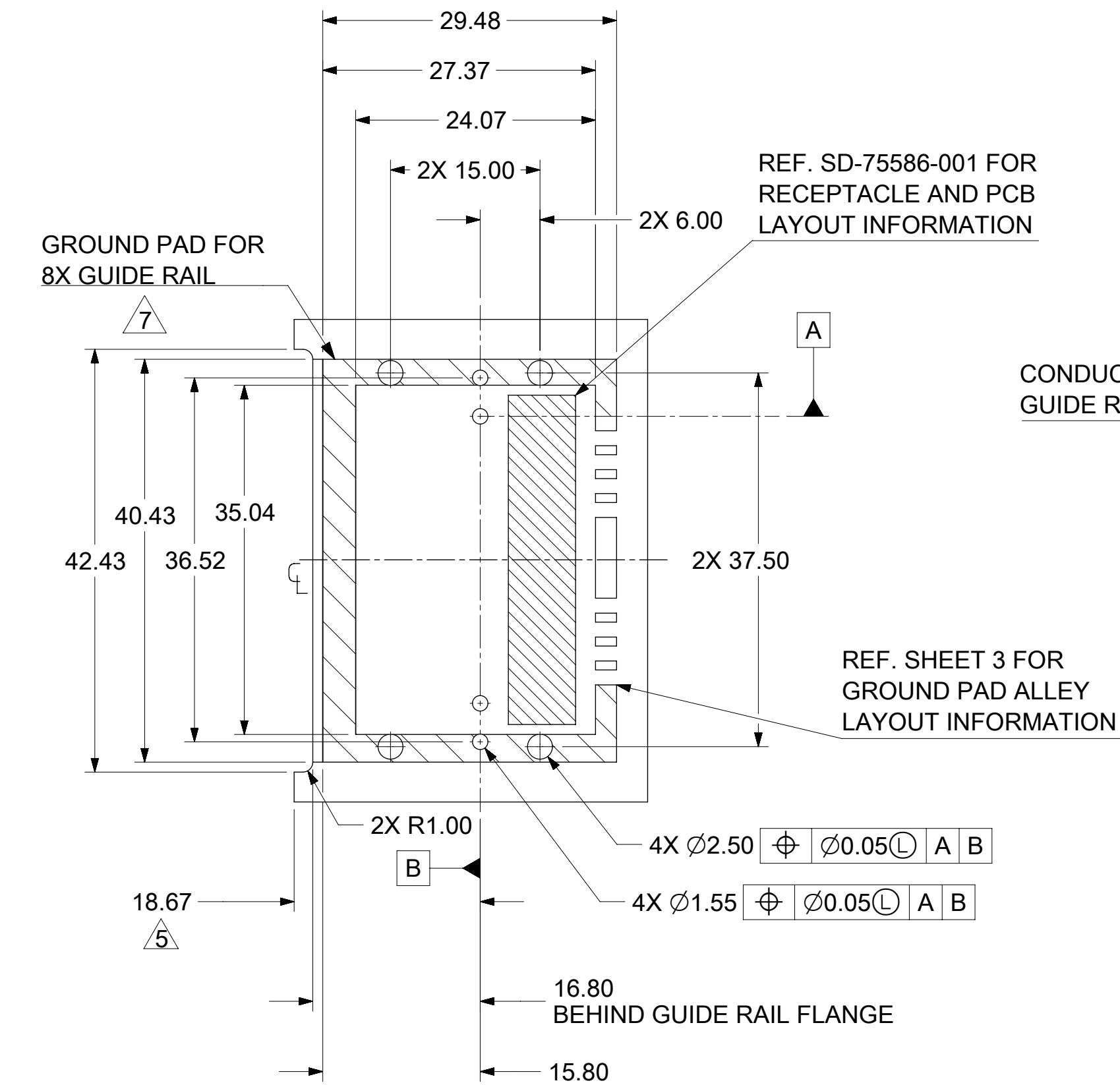
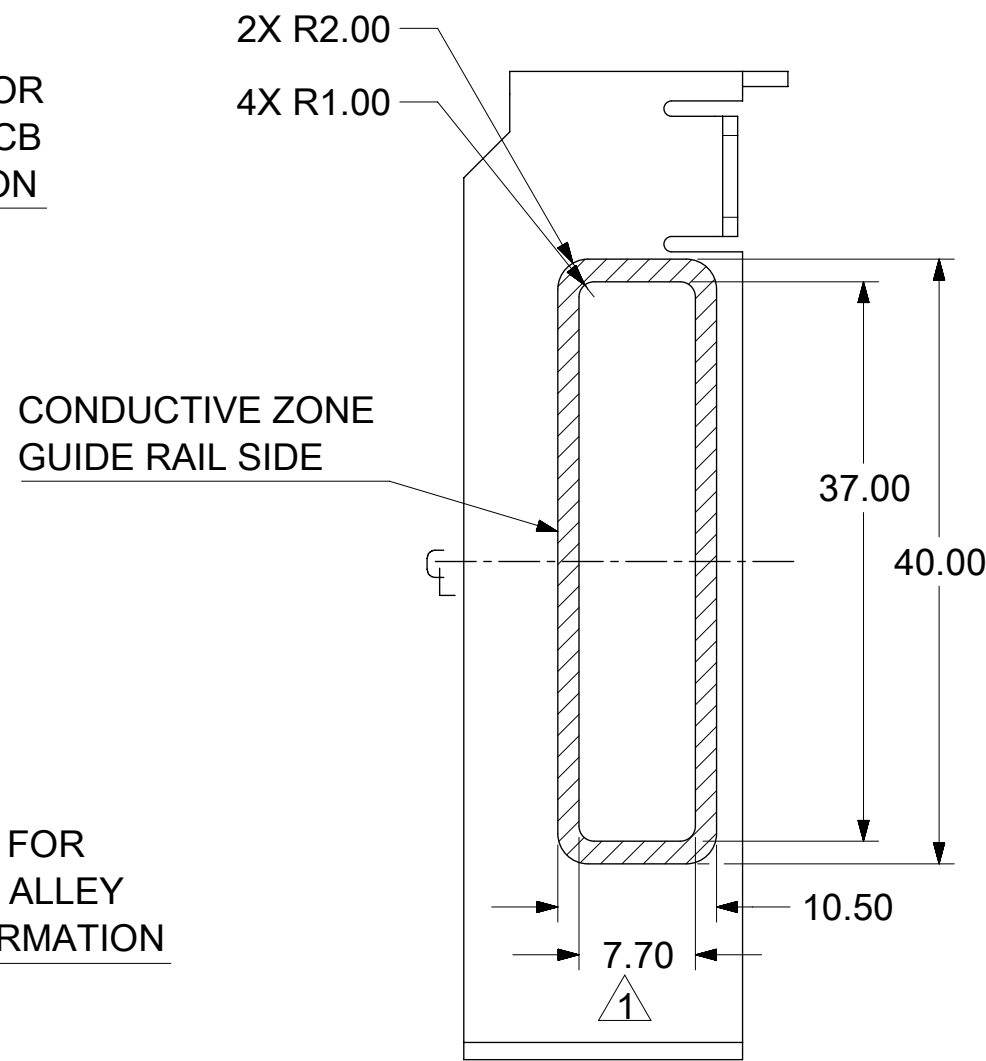
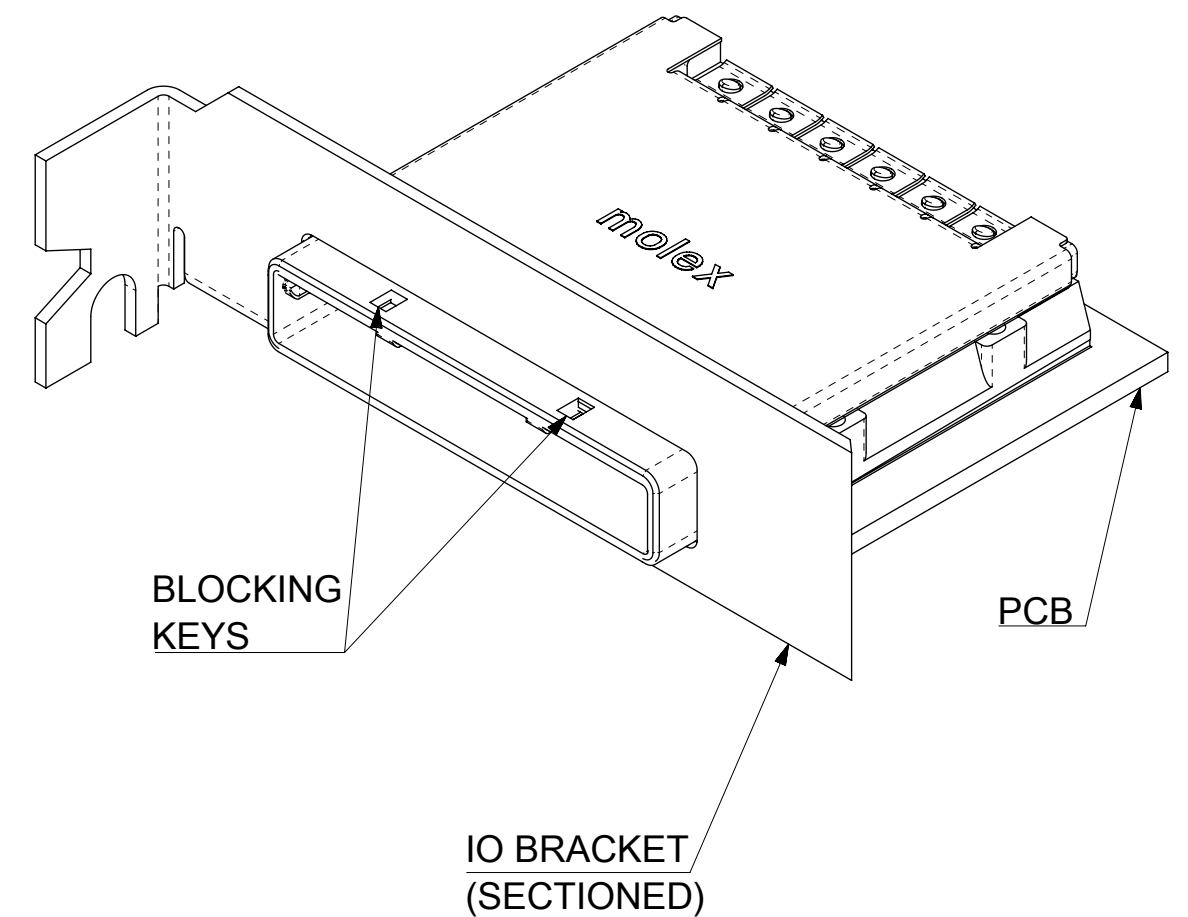




PCIe GUIDE HOUSING ASSEMBLY



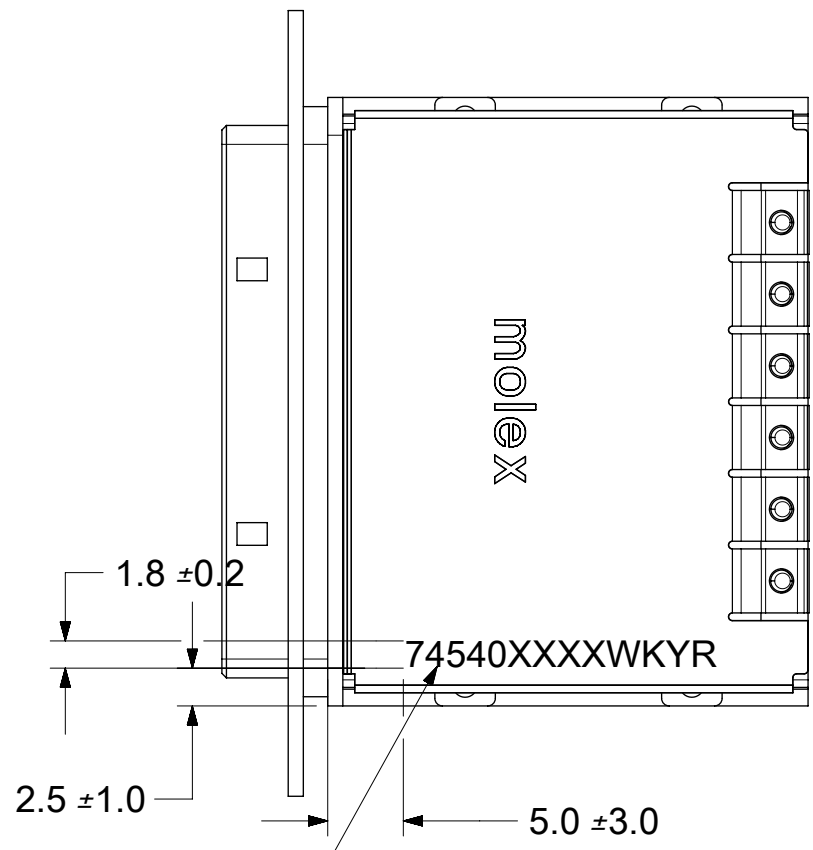
PCIe EXPANSION CARD APPLICATION SHOWN USING 1 DEGREE GUIDE HOUSING ASSEMBLY



- NOTES:
1. REF. PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION, REV 1.0a FOR IO BRACKET WINDOW LOCATION.
 2. PCB AND IO BRACKET SHOWN FOR REFERENCE ONLY.
 3. REFER TO SHEET 2 FOR ATCA GUIDE HOUSING ASSY.
 4. GUIDE HOUSING MOUNTING THREAD= M2 X 0.4, SEE SHEET 3 FOR SCREW LENGTH + TORQUE SPEC.
 5. PCB NOTCH IS SHOWN FOR PCI COMPLIANT BOARD.
 6. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC).
 7. PLATE GROUND PAD WITH EMERSION SILVER OR GOLD.
 8. MATES WITH MOLEX 8X CABLE SERIES 74546-080X.
 9. GUIDE HOUSING PEGS FOR ALIGNMENT ONLY, DO NOT SOLDER.
 10. MATERIAL: Ni PLATED ZINC DIECAST.

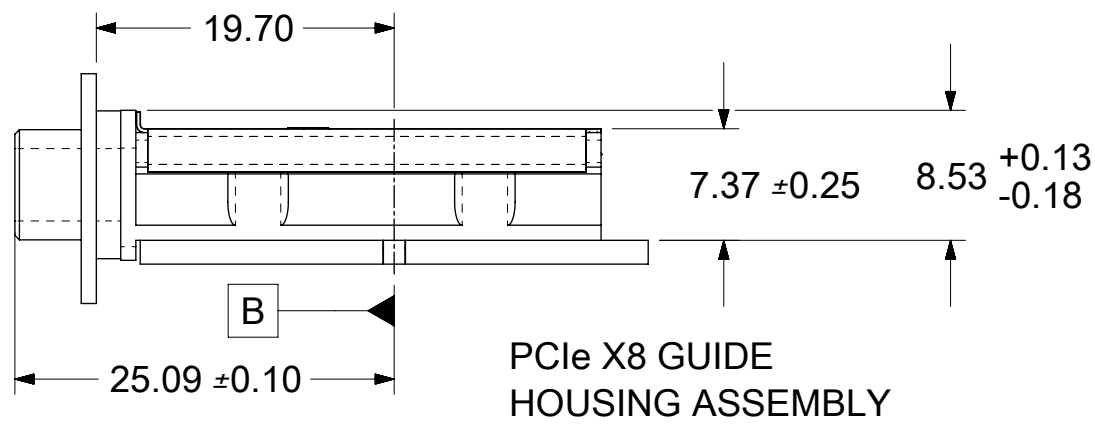
iPass™ is a trademark of Molex

SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS										SCALE									
= 0										mm									
= 0										2:1									
= 0										GENERAL TOLERANCES (UNLESS SPECIFIED)									
= 0										ANGULAR TOL ± 0.5°									
= 0										4 PLACES ±									
= 0										3 PLACES ±									
= 0										2 PLACES ± 0.05									
= 0										1 PLACE ± 0.1									
= 0										0 PLACES ±									
= 0										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
= 0										THIRD ANGLE PROJECTION									
= 0										DRAWING									
= 0										C-SIZE									
= 0										SERIES									
= 0										74540									
= 0										MATERIAL NUMBER									
= 0										SEE P/N TABLE									
= 0										CUSTOMER									
= 0										SHEET NUMBER									
= 0										1 OF 4									

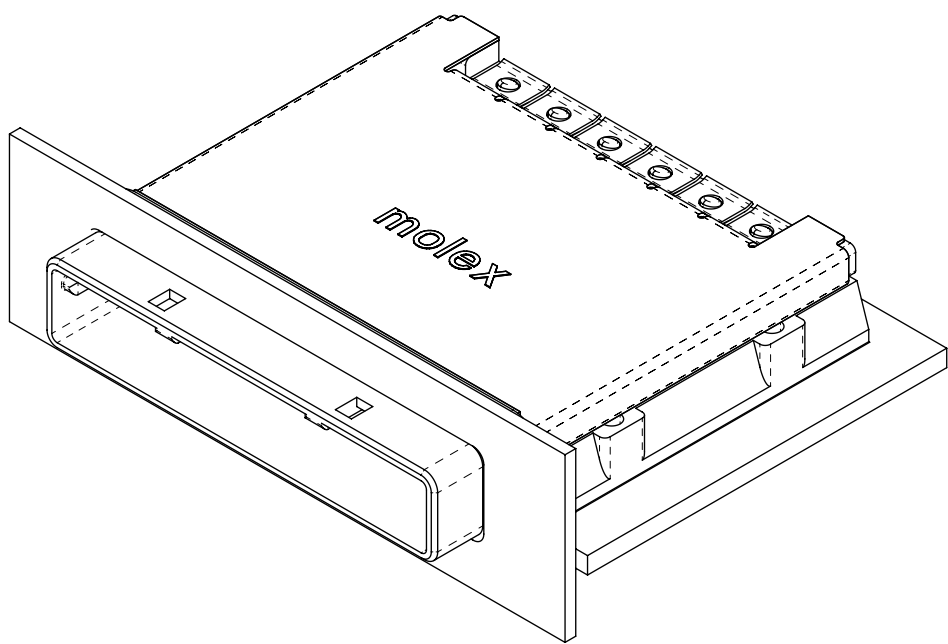
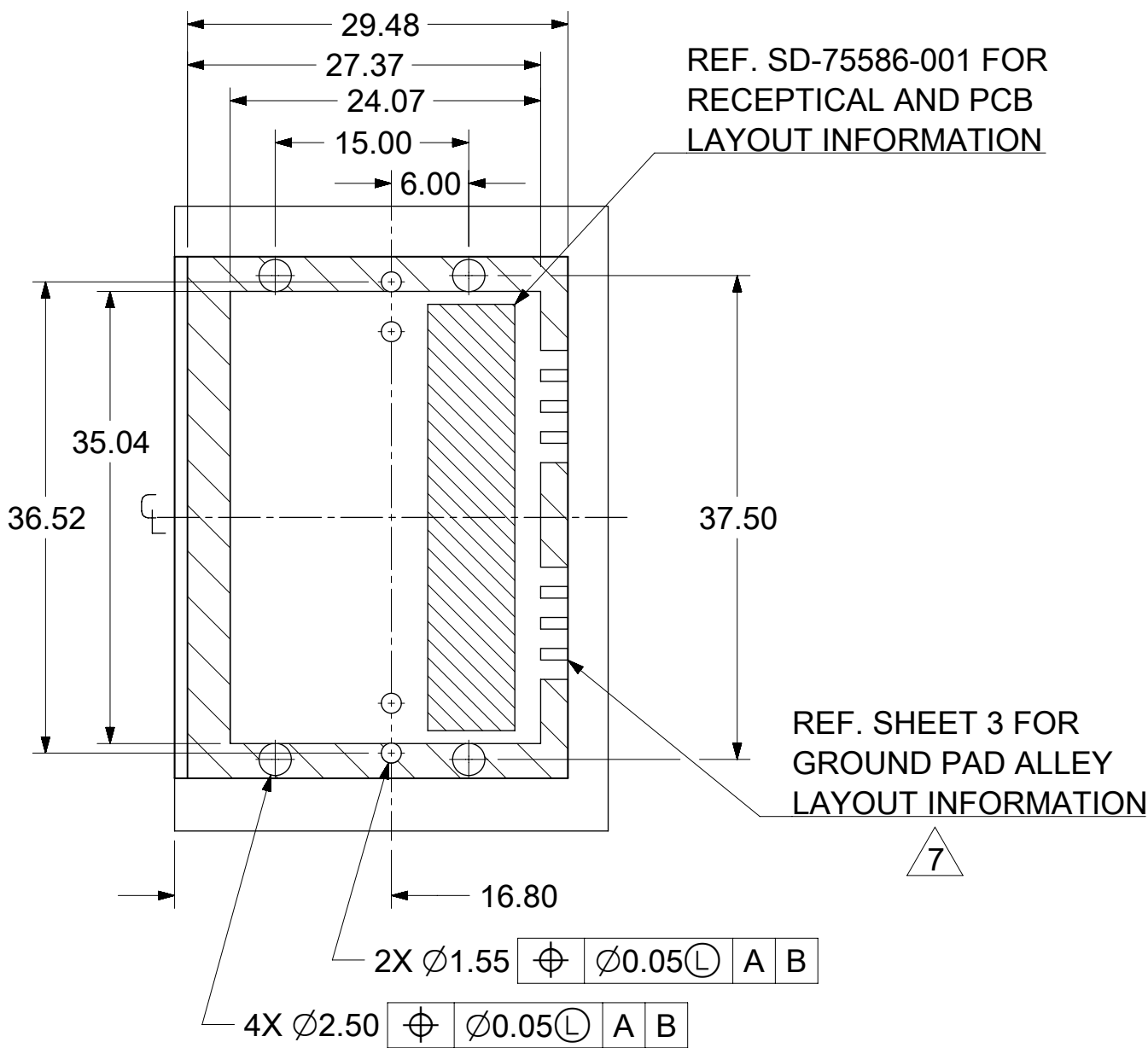


P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE TOP OF COMPLETED CAGE ASSEMBLY AS SHOWN. SEE TABLE BELOW FOR DATE CODE INFORMATION.

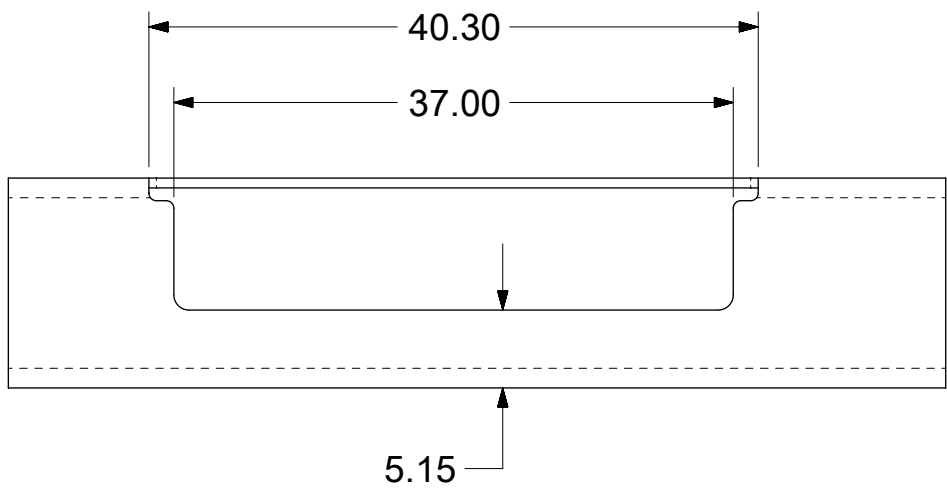
WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR
YR	19, 20, 21,, ETC.. (EXAMPLE: YEAR 2019= 19)



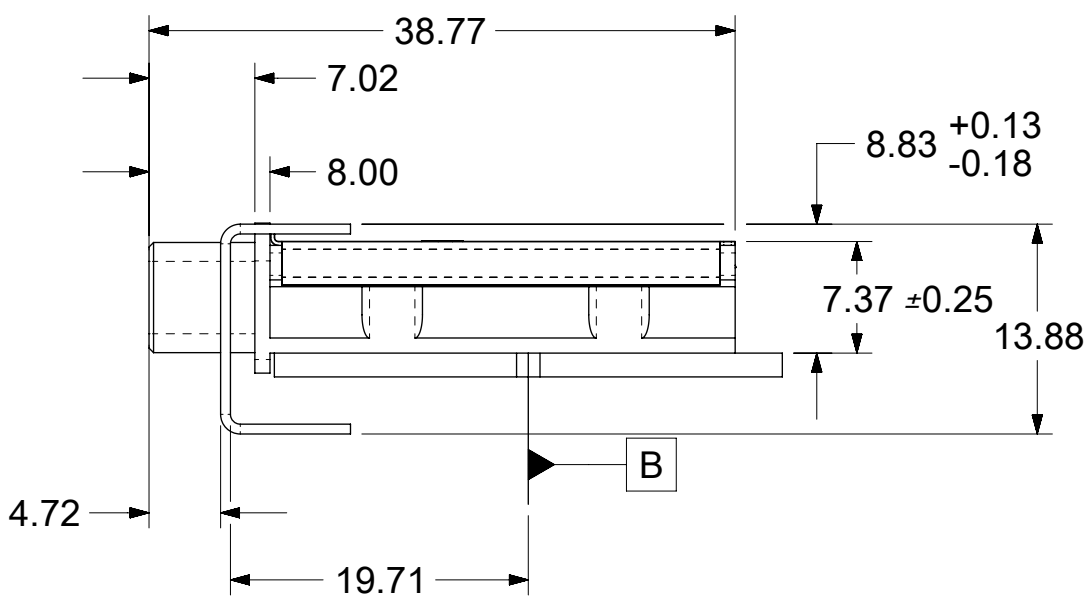
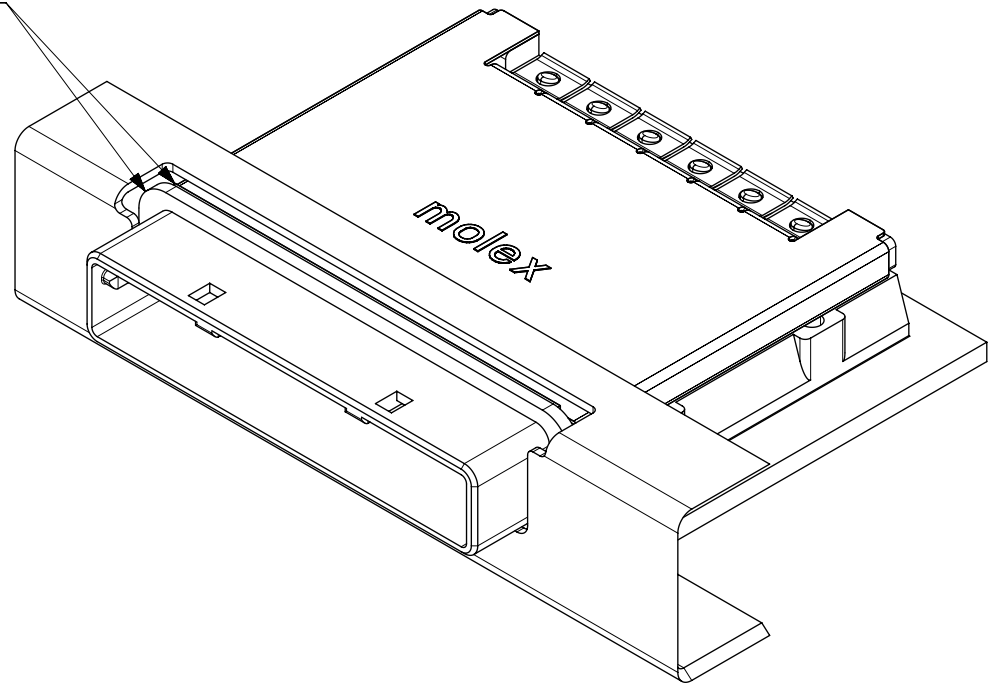
PCIe X8 GUIDE HOUSING ASSEMBLY



STANDARD APPLICATION SHOWN USING 0 DEG GUIDE HOUSING ASSEMBLY



GASKETS NOT SHOWN FOR CLARITY



ADVANCED TCA APPLICATION USING 0 DEG GUIDE HOUSING ASSEMBLY

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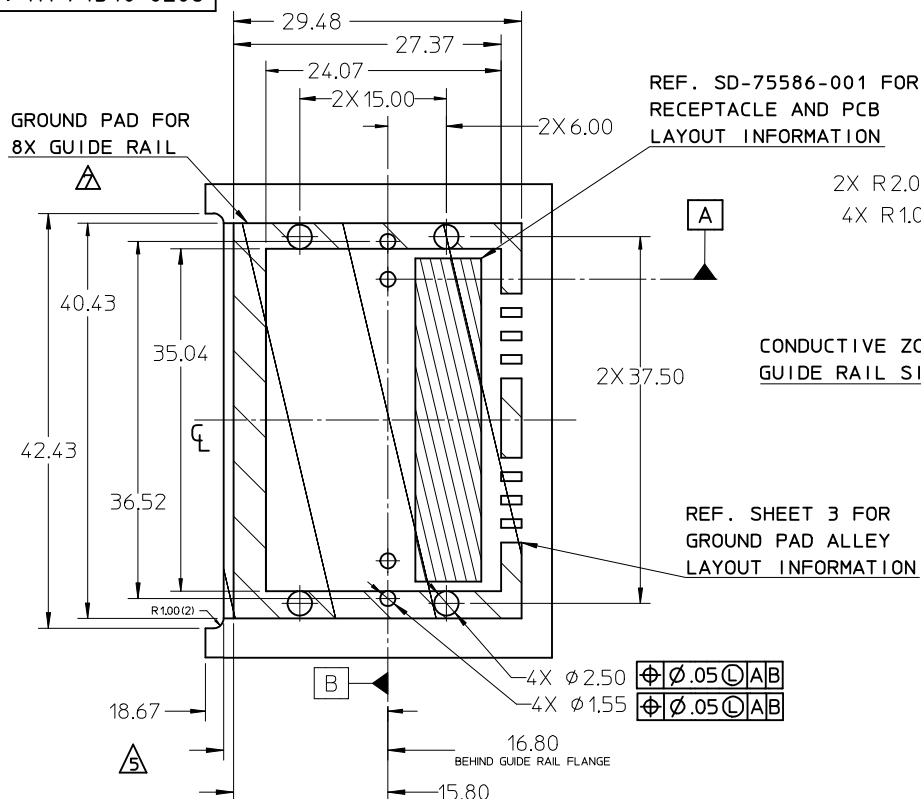
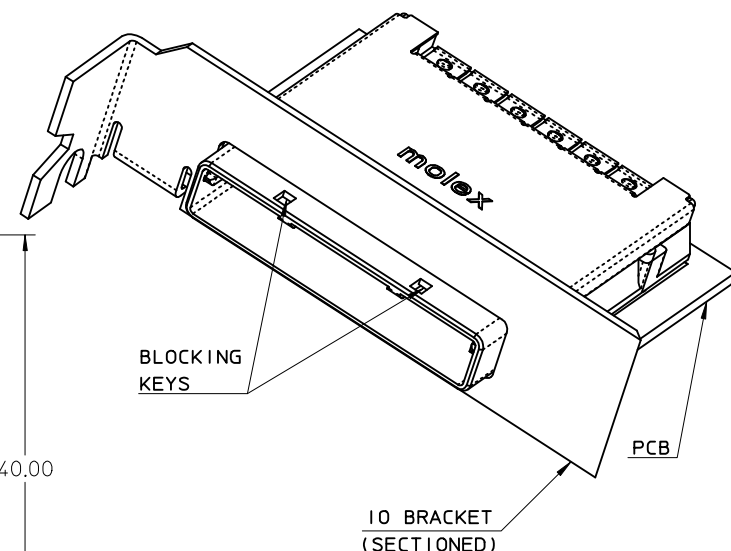
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				molex							
mm		2:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 610421				I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/ KEYS									
ANGULAR TOL ± 0.5 °															
4 PLACES		±		DRWN: NMUTHARAYAPP		2018/12/26		PRODUCT CUSTOMER DRAWING							
3 PLACES		±		CHK'D: VK10		2019/01/15									
2 PLACES		± 0.05		APPR: RCHE08		2019/01/15		DOCUMENT NUMBER 745400101							
1 PLACE		± 0.1		INITIAL REVISION:		DRWN: NMUTHARAYAPP								2018/12/26	
0 PLACES		±		APPR: RCHE08		2019/01/15		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER 2 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 74540		SEE P/N TABLE							

DOCUMENT STATUS	P1	RELEASE DATE	2019/01/15	05:53:03
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REV	DATE (YEAR/MONTH/DAY)	DESCRIPTION
H	2013/12/18	1. ADDED NOTES 10. MATERIAL: Ni PLATED ZINC DIECAST. [SHT 1] 2. CHANGED W/ NEW MOLEX FORMAT
J	2014/07/11	1. CHANGED 25.16 TO 25.09REF TO MEET PCI EXPRESS EXTERNAL CABLING SPECIFICATION @A9 [SHEET 1] 2. ADDED MM 3D NO. @F10 [SHEET 1] 3. THE MOLEX CHARACTER FIGURE UPDATE @F2 [SHEET 1], @F2 F5 [SHEET 2] 4. CHANGED 25.09 TO 25.09+/-0.1 @E9 [SHEET 2]
K	2019/01/15	1. REMASTERD FROM SD-74540-101 REV. J TO 745400101 PSD ASY REV_K IN NX 2. SHEET 2: G11 :ADDED TOP VIEW AND PLACED INK MARK IN TOP VIEW

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				molex							
= 0	mm	1:1													
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 610421 DRWN: NMUTHARAYAPP 2018/12/26 CHK'D: VK10 2019/01/15 APPR: RCHEN08 2019/01/15				I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/ KEYS							
= 0															
= 0	ANGULAR TOL ± 0.5 °							PRODUCT CUSTOMER DRAWING							
= 0	4 PLACES	±											DOCUMENT NUMBER		DOC TYPE
= 0	3 PLACES	±			745400101		PSD	ASY	K						
= 0	2 PLACES	± 0.05													
= 0	1 PLACE	± 0.1													
= 0	0 PLACES	±													
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
= 0						C-SIZE		74540		SEE P/N TABLE				4 OF 4	

MM : TM-74540-0206

2X R2.00
4X R1.00CONDUCTIVE ZONE
GUIDE RAIL SIDEREF. SHEET 3 FOR
GROUND PAD ALLEY
LAYOUT INFORMATION $\phi \phi .05 \text{ L A B}$
 $\phi \phi .05 \text{ L A B}$ GUIDE ASSY
ANGLED 1 DEGREEPCIe GUIDE
HOUSING ASSEMBLYEMI GASKET
NOT SHOWN
FOR CLARITYPCIe EXPANSION CARD
APPLICATION SHOWN
USING 1 DEGREE
GUIDE HOUSING ASSEMBLY

NOTES:

- REF. PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION, REV 1.0a FOR IO BRACKET WINDOW LOCATION.
- PCB AND IO BRACKET SHOWN FOR REFERENCE ONLY.
- REFER TO SHEET 2 FOR ATCA GUIDE HOUSING ASSY.
- GUIDE HOUSING MOUNTING THREAD= M2 X 0.4, SEE SHEET 3 FOR SCREW LENGTH + TORQUE SPEC.
- PCB NOTCH IS SHOWN FOR PCI COMPLIANT BOARD.
- THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC).
- PLATE GROUND PAD WITH EMERSION SILVER OR GOLD.
- MATES WITH MOLEX 8X CABLE SERIES 74546-080X.
- GUIDE HOUSING PEGS FOR ALIGNMENT ONLY, DO NOT SOLDER.
- MATERIAL: NI PLATED ZINC DIECAST.

iPass™ is a trademark of Molex

SEE REVISION TABLE			
EC NO: CPG2015-0143	DRW:WANG07	2014/07/11	2014/07/14
CHKD:SYANG16	2014/07/14	2014/07/14	2014/07/18
APPR:RCHEN08	2014/07/18	2014/07/18	2014/07/18
REV	DESCRIPTION	DATE	DATE

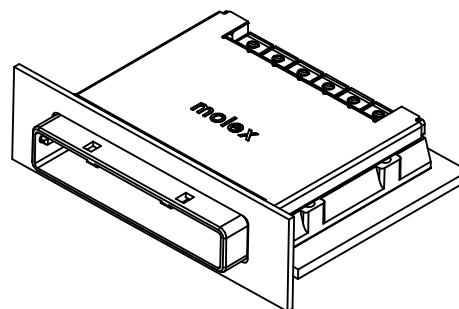
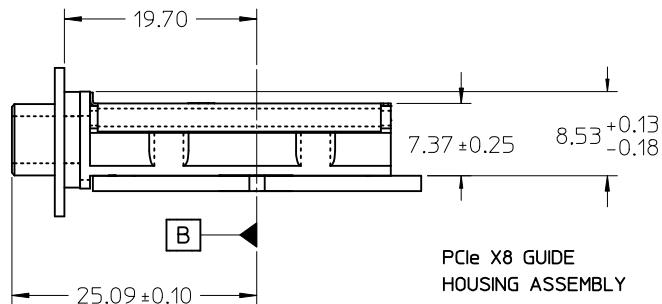
QUALITY SYMBOLS
$\nabla = 0$
$\nabla = 0$
$\nabla = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES	$\pm .005$
3 PLACES	$\pm .005$
2 PLACES	$\pm .005$
1 PLACE	$\pm .010$
0 PLACE	$\pm .010$
ANGULAR $\pm 1/2^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JERWIN	2006/05/25
CHECKED BY	DATE
BREED	2006/05/25
APPROVED BY	DATE
DDOYE	2006/05/25
MATERIAL NO.	
SEE P/N TABLE	
SIZE	B

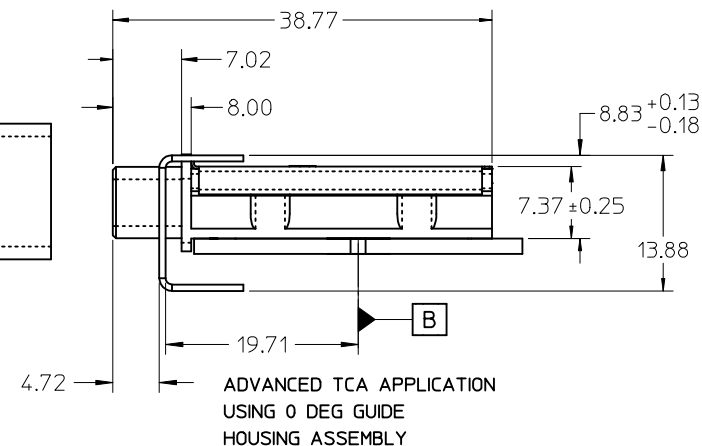
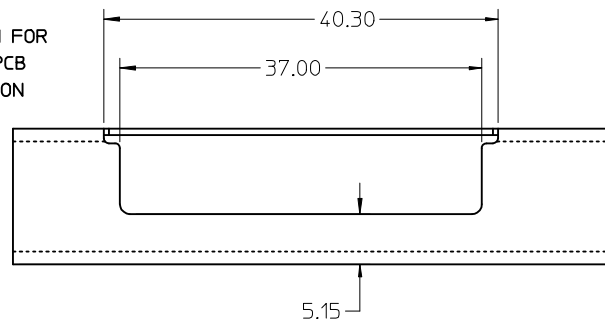
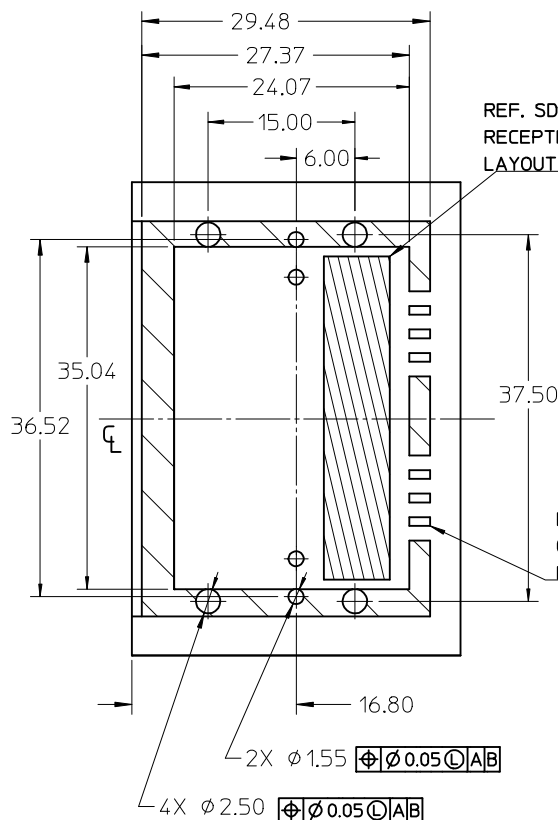
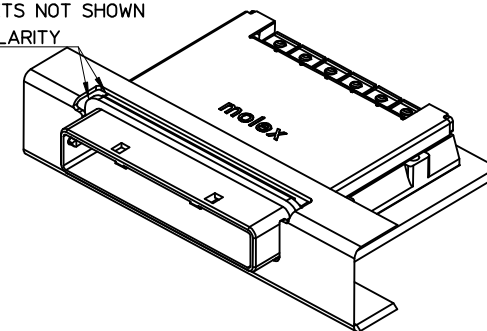
SCALE 2:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/ KEYS			
molex			
DOCUMENT NO. SD-74540-101			SHEET NO. 1 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1



STANDARD APPLICATION SHOWN
USING 0 DEG GUIDE HOUSING ASSEMBLY

GASKETS NOT SHOWN
FOR CLARITY

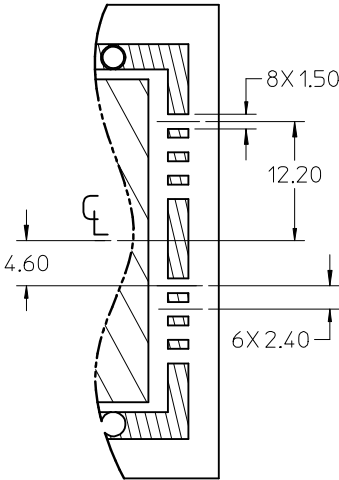


iPass™ is a trademark of Molex

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: CPG2015-0143		DRAWN BY: 2014/07/11		mm		MM ONLY		2:1		METRIC		THIRD ANGLE PROJECTION	
CHKD:SYANG16		2014/07/14		INCH		DRAWN BY: DATE		JERWIN		2006/05/25		TITLE	
APPR:RCHEN08		2014/07/28		4 PLACES		CHECKED BY: DATE		BREED		2006/05/25		I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/ KEYS	
				3 PLACES		APPROVED BY: DATE		DDOYE		2006/05/25		molex	
				2 PLACES		MATERIAL NO.		SEE P/N TABLE		DOCUMENT NO.		SD-74540-101	
				1 PLACE		ANGULAR ± 1/2°		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 2 OF 4	
				0 PLACE		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

MOLEX P/N	DESCRIPTION	GEN
745400101	8x EMI Guide Housing Assembly - PCIe / 1 Deg	Gen 1
745400201	8x EMI Guide Housing Assembly - ATCA / 0 Deg	Gen 1

PCB THICKNESS	SCREW LENGTH	TORQUE (IN LBS)
1.6 (.063")	5MM	2.3
2.38 (.093")	6MM	2.3
3.2 (.125")	6MM	2.3
X	+4MM MAX	2.3



GROUND PAD ALLEY
LAYOUT INFORMATION



SEE REVISION TABLE EC NO: CPG2015-0143 J DRWN:EWANG07 CHKD:SYANG16 APPR:RCHEN08	DESCRIPTION REV	QUALITY SYMBOLS F _A =0 F _G =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JERWIN	DATE 2006/05/25	TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/ KEYS molex					
			4 PLACES	± ---	± ---	CHECKED BY BREED	DATE 2006/05/25						
			3 PLACES	± ---	± ---	APPROVED BY DDOYE		DATE 2006/05/25	DOCUMENT NO. SD-74540-101				
			2 PLACES	± 0.05	± ---	MATERIAL NO. SEE P/N TABLE		DATE					
			1 PLACE	± 0.10	± ---	SHEET NO. 3 OF 4							
			0 PLACE	±	±								
			ANGULAR ±1/2°			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

F

E

D

C

B

A

F

E

D

C

B

A

REVISION HISTORY

DATE (YEAR/MONTH/DAY)	REV	DESCRIPTION
2013/12/18	H	1. ADDED NOTES 10. MATERIAL: Ni PLATED ZINC DIECAST. [SHT 1] 2. CHANGED W/ NEW MOLEX FORMAT
2014/07/11	J	1. CHANGED 25.16 TO 25.09REF TO MEET PCI EXPRESS EXTERNAL CABLING SPECIFICATION 0A9 [SHEET 1] 2. ADDED MM 3D NO. 0F10 [SHEET 1] 3. THE MOLEX CHARACTER FIGURE UPDATE 0F2 [SHEET 1], 0F2 F5 [SHEET 2] 4. CHANGED 25.09 TO 25.09+/-0.1 0E9 [SHEET 2]

SEE REVISION TABLE EC NO: CPG2015-0143 DRWN:EMANG07 2014/07/11 CHKD:SYANG16 2014/07/14 APPR:RCHEN08 2014/07/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
					MM ONLY		1:1	METRIC			
					DRAWN BY	DATE	TITLE				
					CHECKED BY	DATE					
					APPROVED BY	DATE					
					MATERIAL NO.	DATE					
					SEE P/N TABLE		DOCUMENT NO.			SHEET NO.	
					SIZE		SD-74540-101			4 OF 4	
					B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				