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ELECTRONICS

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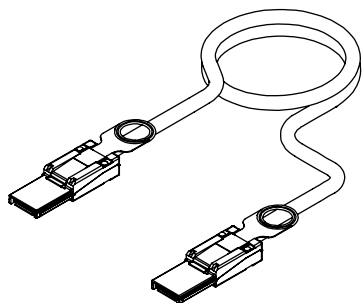
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Jameco Part Number 1976953

0.80mm (.031") Pitch iPass™ PCIe Cable

74546

4X, 8X, 16X PCIe



Length	Order No.	Lane/Circuits	Lead-free
1.0m (3.28')	74546-0401	4X/38	Yes
7.0m (22.96')	74546-0407		
1.0m (3.28')	74546-0801	8X/68	
7.0m (22.96')	74546-0807		
1.0m (3.28')	74546-1601	16X/136	
7.0m (22.96')	74546-1607		

Note: Additional lengths available on sales drawing shown on website.

Features and Benefits

- Reduced plug width allows customers to populate (4)x4 ports and (2)x8 ports on a standard PCIe card
- Lower external plug profile reduces cable bend radius versus standard 4x LaneLink™ cable assemblies
- Flexible latch pull provides an intuitive latch and unlatch mechanism

Reference Information

Packaging: Box
Mates With: 75586
Use With: 74540
Designed In: Millimeters

Electrical

Voltage: 30V AC
Current: 1.0A
Contact Resistance: 30 milliohms max.
Dielectric Withstanding Voltage: 240V
Insulation Resistance: 40 Megohms min.

Mechanical

Latch to Cage Retention Force: 20 lbf min.
Durability: 250 cycles

Physical

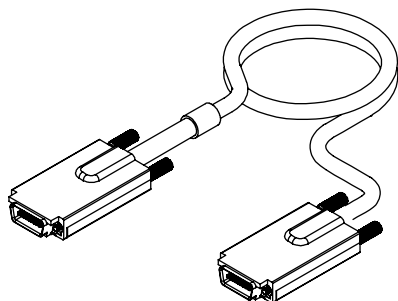
Housing: Zinc diecast
PCB Contact: Gold over Nickel
Housing Plating: Nickel over Zinc
Operating Temperature: -20 to +85°C

0.50mm (.020") Pitch iPass™ Cable Assembly SAS and SATA I/O External Multilane

74527 – SAS

74530 – SATA I/O

4X LaneLink™ Cable



Length	Order No.	Product Family	Lead-free
0.5m (1.64')	74527-3001	SAS	Yes
1.0m (3.28')	74527-3002		
0.5m (1.64')	74530-0001	SATA	
1.0m (3.28')	74530-0002		

Note: Additional lengths available on sales drawing shown on website.

Features and Benefits

- Sturdy jackscrew hardware provides user with guaranteed mating to the PCB connector
- Diecast back shell provides EMI protection
- Total SAS and SATA I/O system solution with industry-standard compatible interface and connector (91659)
- Molex LaneLink cable is SFF8470 compliant
- Lengths greater than 15m can be achieved with the use of pre-emphasis on the board side silicon
- High performance production test rack provides 100% eye pattern testing to SAS/SATA standards

Reference Information

Packaging: Bag
Mates With: 91659
Use With: 74735 and 74739
Designed In: Millimeters

Electrical

Voltage: 0.5A
Current: 30V AC

Mechanical

Mating Force: 55.5N (12.48 lbf)
Unmating Force: 49.0N (11.02 lbf)
Durability: 250 cycles

Physical

Housing: Zinc diecast
Contact: Gold flash
Housing Plating: Nickel
Operating Temperature: -20 to +85°C

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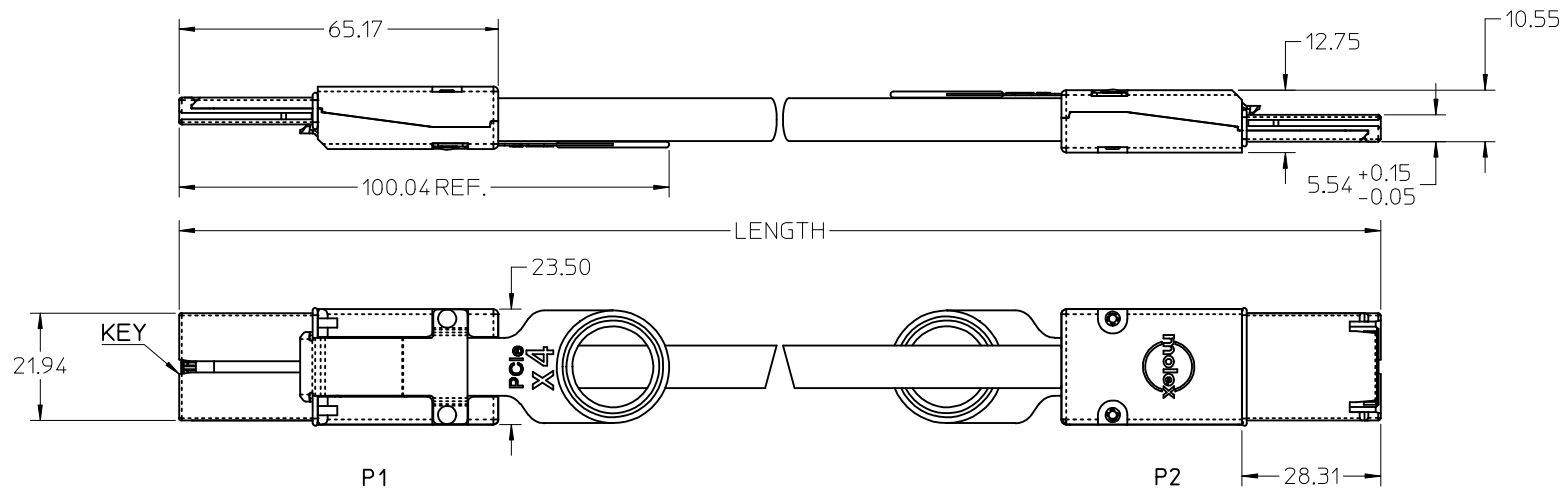
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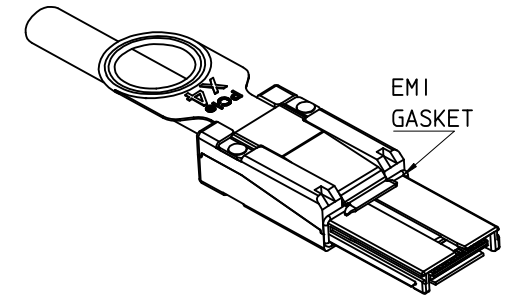
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MOLEX P/N	LENGTH	GAGE	TOLERANCE	JACKET RATING
745460400	0.5M	28	0.03M	VW1
745460401	1.0M	28	0.05M	VW1
745460411	1.25M	28	0.05M	VW1
745460402	2.0M	28	0.05M	VW1
745460403	3.0M	28	0.05M	VW1
745460404	4.0M	28	0.10M	VW1
745460405	5.0M	26	0.10M	CL2
745460406	6.0M	26	0.13M	CL2
745460407	7.0M	24	0.13M	CL2
745460408	8.0M Δ	24	0.13M	CL2
745460409	9.0M Δ	24	0.15M	CL2
745460410	10.0M Δ	24	0.15M	CL2



NOTES:

1. MATERIAL=

BACKSHELLS - ZINC DIECAST

PULL - NYLON

CABLE JACKET RATING - SEE TABLE

2. LENGTH AND TOLERANCE - SEE TABLE

3. ELECTRICAL PERFORMANCE PER PCI EXPRESS EXTERNAL CABLING SPEC.

4. PLUG MATES TO RECEPTACLE 75586-0010, AND EMI GUIDE HOUSING ASSY.74540-0400

5. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC).

 Δ . NOT COMPLIANT WITH INSERTION LOSS SPEC. PER. THE PCIE CABLING SPEC.

IPASS™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION EC NO: USY2007-0491 DRWN: JERWIN 2008/09/22 CHKD: DDOYE 2008/09/29 APPR: DDOYE 2008/09/30 REV	DESCRIPTION	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 BREED	DATE 2005/02/02	TITLE I-PASS X4 CABLE ASSEMBLY GEN 1					
			4 PLACES	± ---	± ---	CHECKED BY DDOYE	DATE 2005/02/02						
			3 PLACES	± ---	± ---	APPROVED BY DDOYE							DATE 2005/02/02
			2 PLACES	± 0.13	± ---	MOLEX MOLEX INCORPORATED							
			1 PLACE	± 0.25	± ---								
			ANGULAR ±1/2°			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74546-400		SHEET NO. 1 OF 3			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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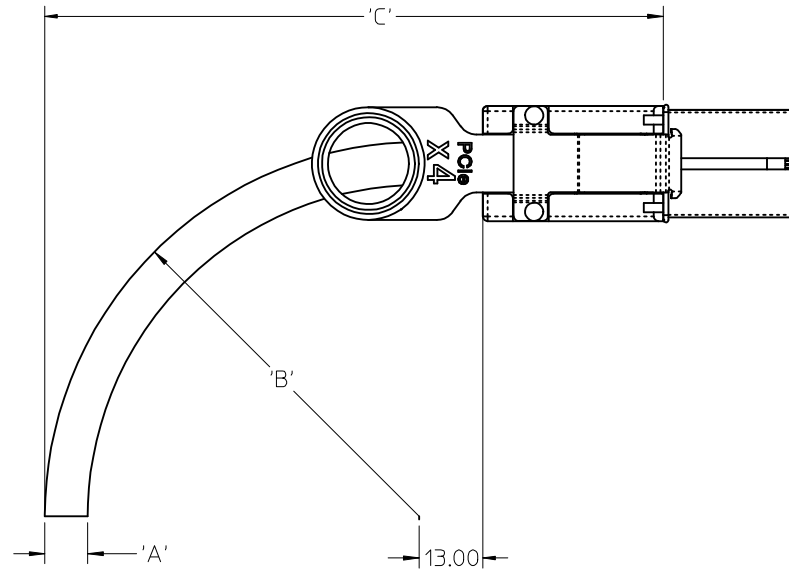
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	CABLE GAUGE	24	26	28
A	CABLE DIAMETER	10.54	9.53	8.75
B	MINIMUM OUTER RADIUS	42.00	38.00	35.00
C	FACEPLATE TO OUTER RADIUS	91.86	87.86	84.86

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ENTER DESCRIPTION EC NO: USY2007-0491 DRWN: JERWIN 2008/09/22 CHKD:DDOYE 2008/09/29 APPR:DDOYE 2008/09/30			DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	
							MM ONLY		1:1	METRIC			
REV	K						mm	INCH	DRAWN BY		DATE		TITLE
									BREED		2005/02/02		
									CHECKED BY		DATE		I-PASS X4 CABLE ASSEMBLY GEN 1
									DDOYE		2005/02/02		
									APPROVED BY		DATE		MOLEX INCORPORATED
									DDOYE		2005/02/02		
									MATERIAL NO.		DOCUMENT NO.		SHEET NO. 3 OF 3
									SEE TABLE		SD-74546-400		
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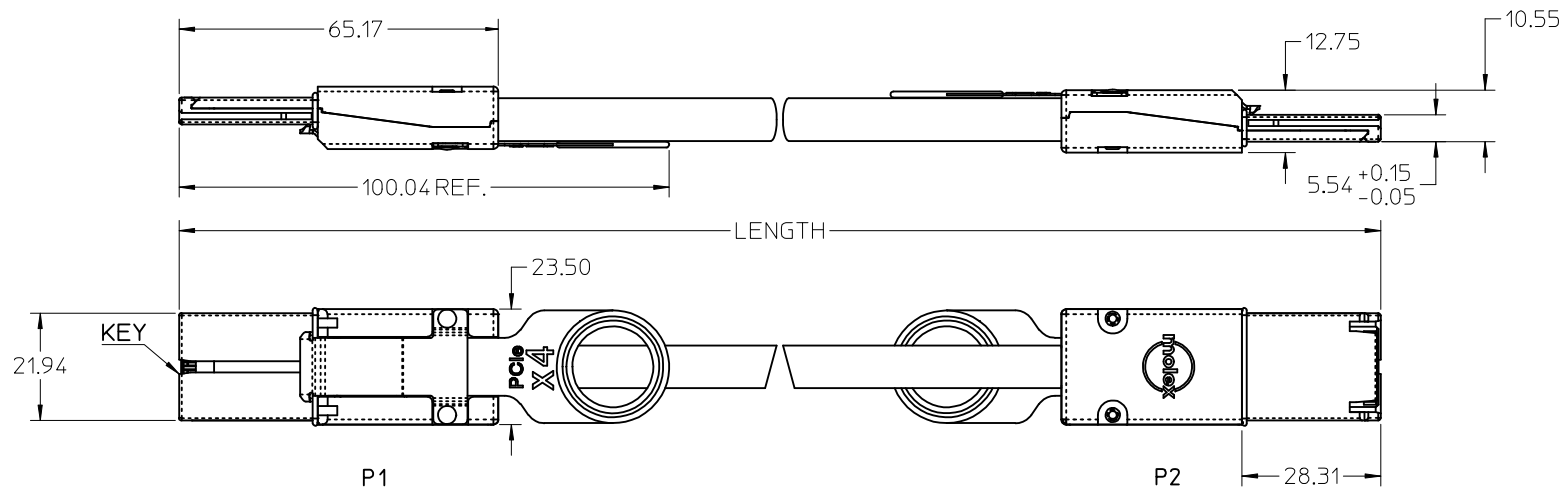
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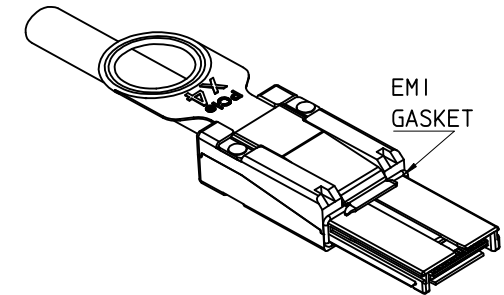
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745460405	5.0M	26	0.10M	CL2
745460406	6.0M	26	0.13M	CL2
745460407	7.0M	24	0.13M	CL2
745460408	8.0M△	24	0.13M	CL2
745460409	9.0M△	24	0.15M	CL2
745460410	10.0M△	24	0.15M	CL2
745460415	15.0M△	24	0.15M	CL2



NOTES:

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PULL - NYLON
CABLE JACKET RATING - SEE TABLE
 - LENGTH AND TOLERANCE - SEE TABLE
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ADDED P/N EC NO: USY2009-0263 DRWN: JERWIN 2009/01/08 CHKD: BSCHOESTER 2009/01/08 APPR: DDOYE 2009/01/12	DESCRIPTION	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	DATE	TITLE I-PASS X4 CABLE ASSEMBLY GEN 1					
			4 PLACES ± ---	± ---	BREED	2005/02/02						
			3 PLACES ± ---	± ---	CHECKED BY	DATE						
			2 PLACES ± 0.13	± ---	DDOYE	2005/02/02	MOLEX MOLEX INCORPORATED					
			1 PLACE ± 0.25	± ---	APPROVED BY	DATE						
ANGULAR ±1/2°		DDOYE	2005/02/02	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-74546-400		1 OF 3						
REV					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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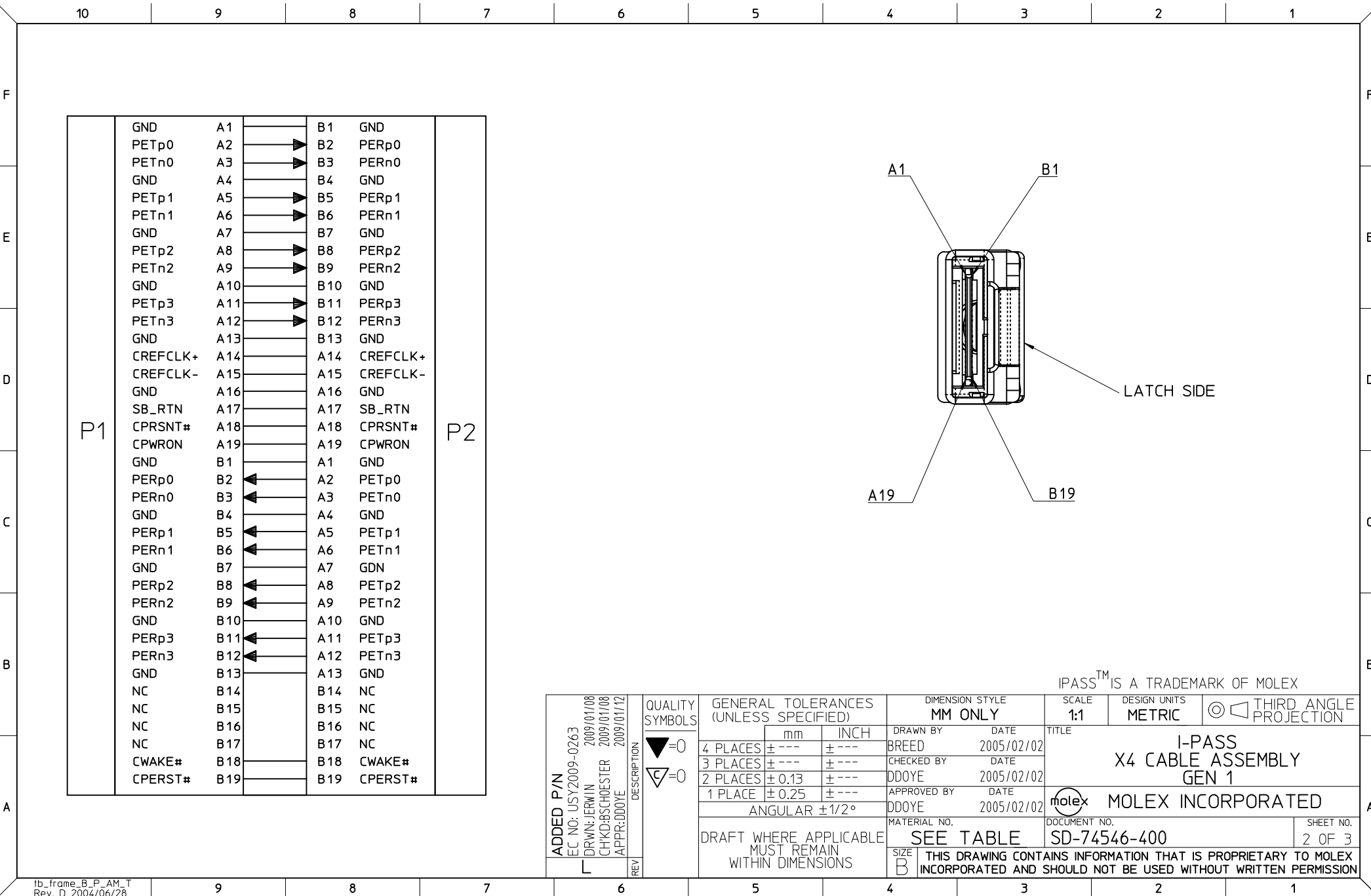
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ADDED P/N EC NO: USY2009-0263 DRAWN: JERWIN 2009/01/08 CHKD: HCHOESTER 2009/01/08 APPR: DDOYE 2009/01/12	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY BREED	DATE 2005/02/02	TITLE I-PASS X4 CABLE ASSEMBLY GEN 1				
					CHECKED BY DDOYE	DATE 2005/02/02					
					APPROVED BY DDOYE	DATE 2005/02/02	MOLEX MOLEX INCORPORATED				
			ANGULAR ±1/2°		MATERIAL NO. SEE TABLE						
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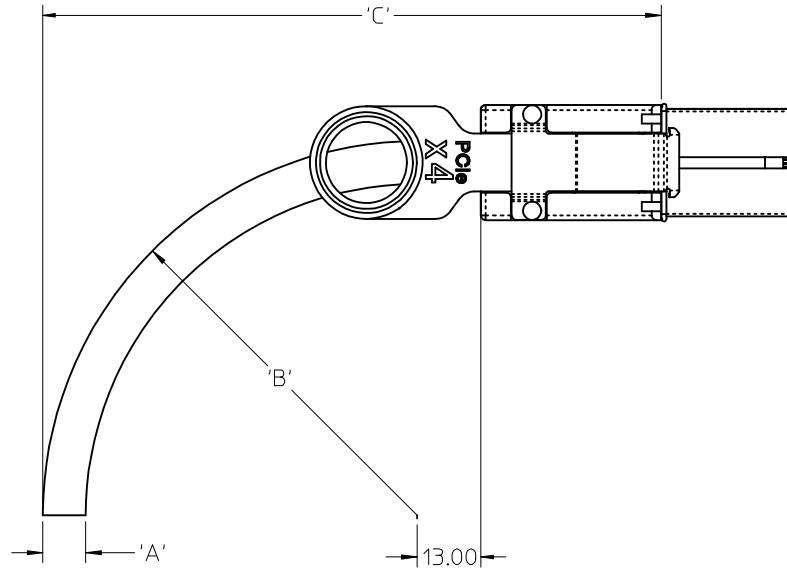
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