

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0783950002](#)
Status: **Active**
Description: 0.80mm(.031"), 1.27mm(.050") Micro SAS Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 25 Circuits, for 1.20mm (.039") to 1.60(.063") PCB Thickness, Halogen free, Lead free

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

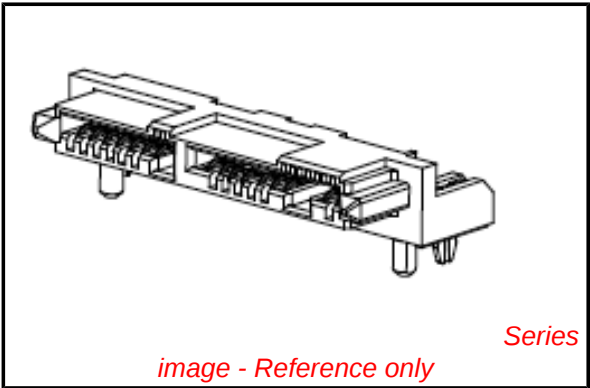
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [78395](#)
Application Board-to-Board
Component Type Receptacle
Product Name Micro SAS
Type N/A

Physical

Boot Color N/A
Circuits (Loaded) 25
Circuits (maximum) 25
Circuits Detail Signal 14, Power 9, Sideband 2
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Gender Female
Keying to Mating Part Yes
Lock to Mating Part None
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Panel Mount Yes
Pitch - Mating Interface (in) 0.031 In, 0.050 In
Pitch - Mating Interface (mm) 0.80 mm, 1.27 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.54
Polarized to Mating Part Yes
Polarized to PCB Yes
Ports 2
Temperature Range - Operating 0°C to +55°C
Termination Interface: Style Surface Mount



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

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
[78395Series](#)

Mates With
[78394](#) , [78528](#) Micro SAS Plugs

Waterproof / Dustproof	No
Wire Size AWG	N/A
Electrical	
Current - Maximum per Contact	1.5A
Voltage - Maximum	30V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-78395-001

This document was generated on 05/17/2010

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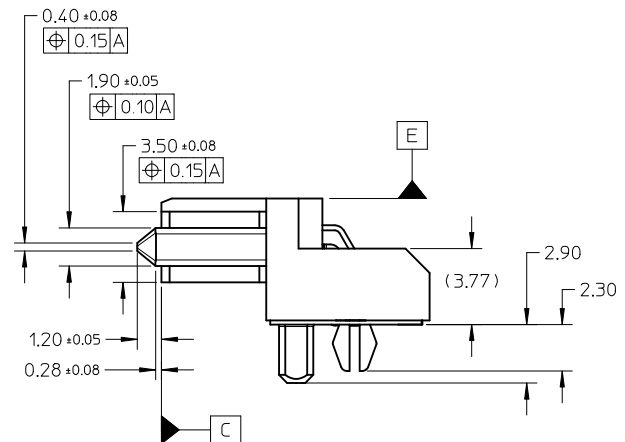
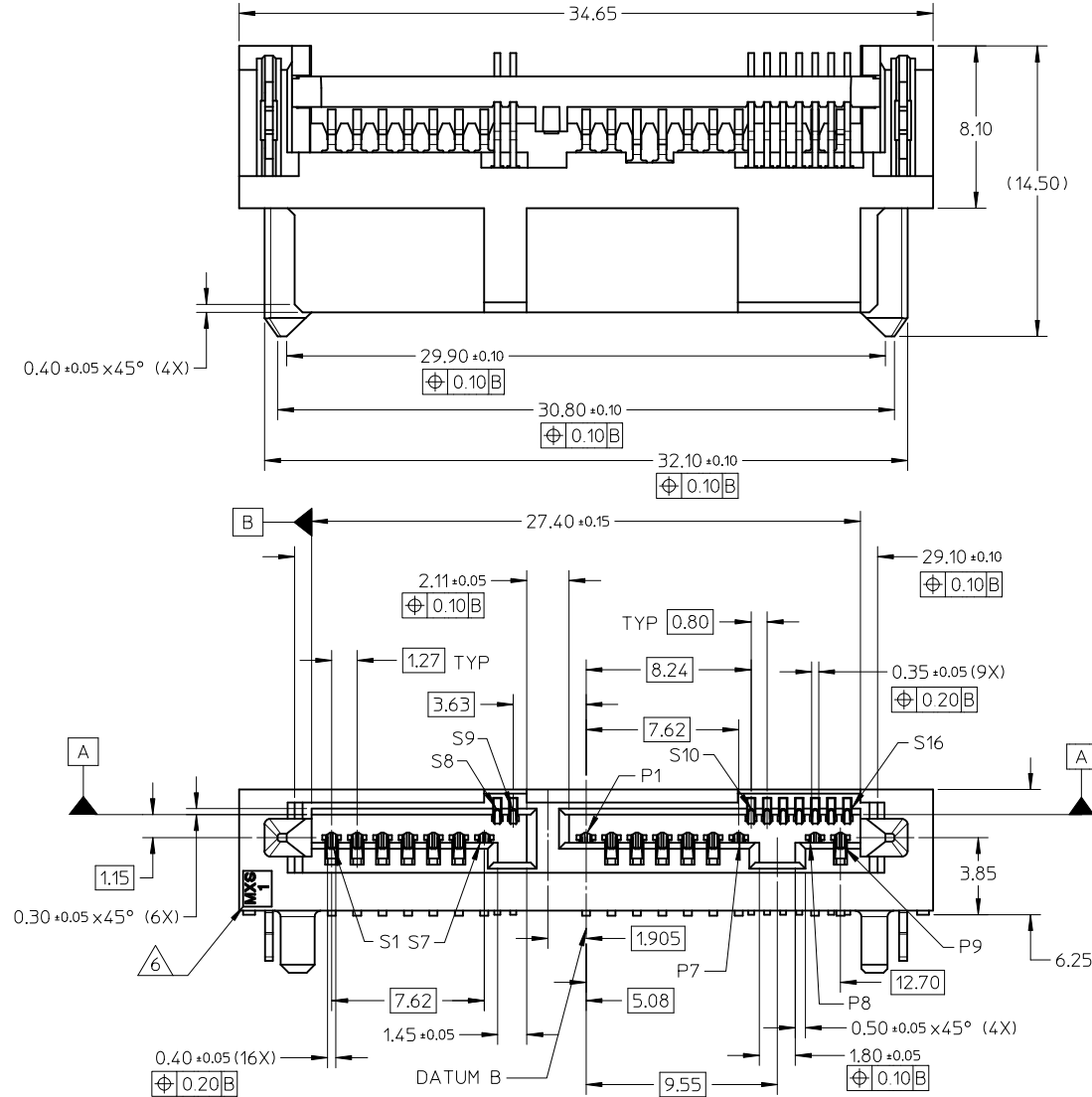
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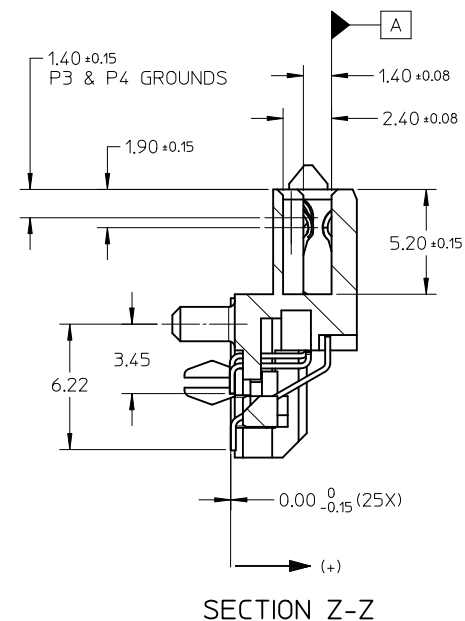
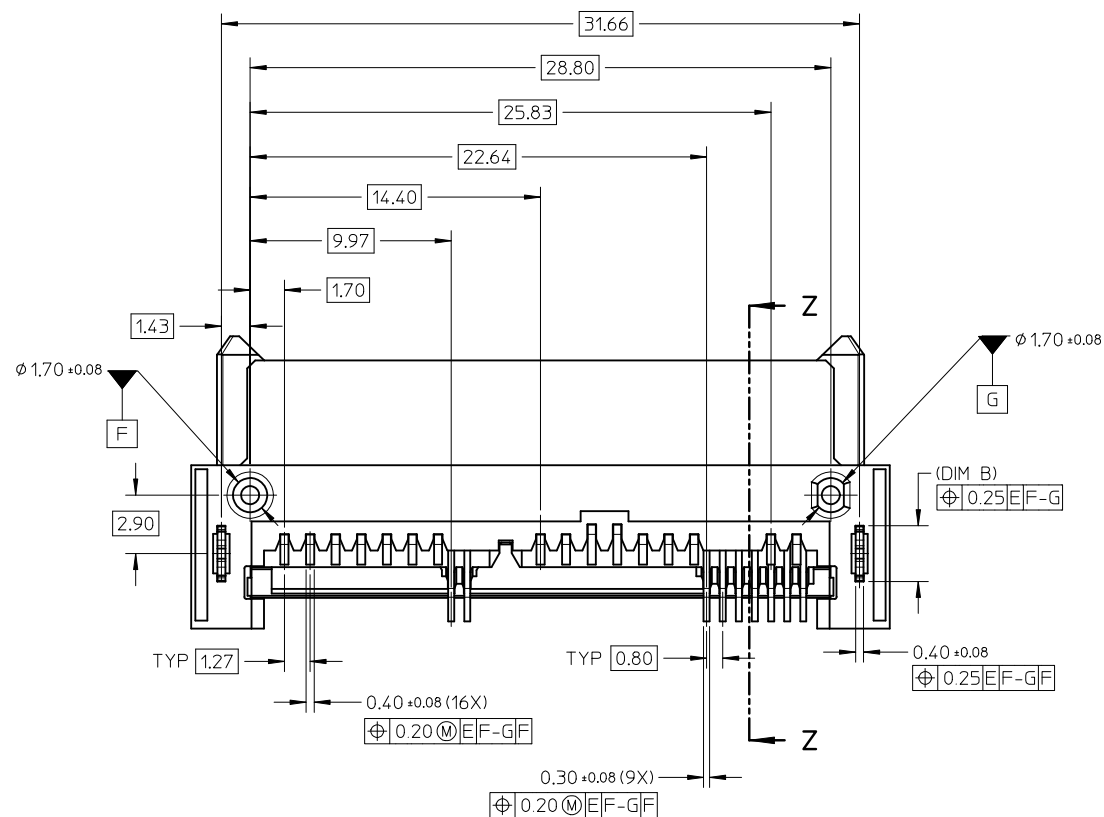
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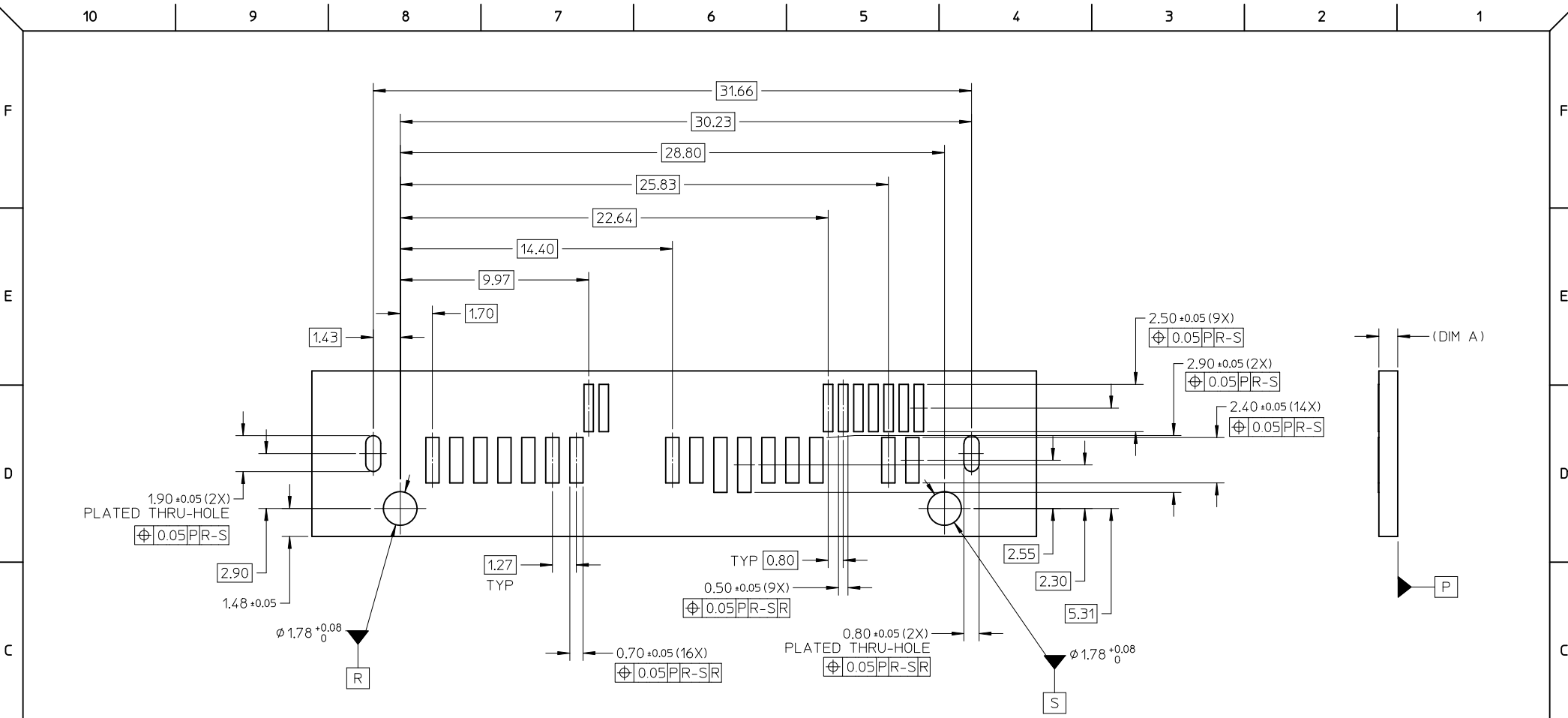
- NOTES:
1. MATERIAL : LCP, GLASS FILLED, UL 94V-0, BLACK
TERMINAL/FORKLOCK : COPPER ALLOY
 2. FINISHES :
TERMINAL : 0.76µm MIN. SELECTIVE GOLD OVER
1.27µm MIN. NICKEL UNDERPLATE
: 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
FORKLOCK : 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
 3. PRODUCT SPECIFICATION PS-78395-001
 4. PACKAGING SPECIFICATION : TRAY
 5. MATES WITH : MOLEX MICRO SAS PLUG
 6. MOLEX LOGO LOCATED APPROXIMATELY AS SHOWN
 7. THIS PRODUCT IS COMPLIANT TO RoHS DIRECTIVE WITH THE FOLLOWING BANNED SUBSTANCES - LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM, POLYBROMINATED BIPHENYLS AND POLYBROMINATED DIPHENYLS ETHERS.
 8. NON FUNCTIONAL CORING MAY VARY.



9 8 7 6 5 4 3 2 1



REVISED BASEPLATE EC NO: S2010-0600 DRAWN: MENARLY CHKD: SCHEONG APPR: BOKOK A7	DESCRIPTION REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY YKOH	DATE 2008/05/20	TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD						
			4 PLACES	± ---	± ---	CHECKED BY JTAN02	DATE 2008/06/11							
			3 PLACES	± ---	± ---	APPROVED BY BOKOK		DATE 2010/03/31		molex MOLEX INCORPORATED				
			2 PLACES	± 0.20	± ---									
			1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-78395-001		SHEET NO. 2 OF 4				
			ANGULAR ± 3 °											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



RECOMMENDED PCB LAYOUT

REVISED BASEPLATE EC NO: S2010-0600 DRWN:GEMARLY CHKD:SCHEONG APPR:BOKOK	2010/01/14 2010/03/31 2010/04/01	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					mm	INCH	DRAWN BY YKOH	DATE 2008/05/20	TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD					
				4 PLACES	± ---	± ---	CHECKED BY JTAN02	DATE 2008/06/11						
				3 PLACES	± ---	± ---	APPROVED BY BOKOK	DATE 2010/03/31						
				2 PLACES	± 0.20	± ---	ANGULAR ± 3 °		MOLEX MOLEX INCORPORATED		DOCUMENT NO. SD-78395-001		SHEET NO. 3 OF 4	
				1 PLACE	± ---	± ---								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE						
A7		REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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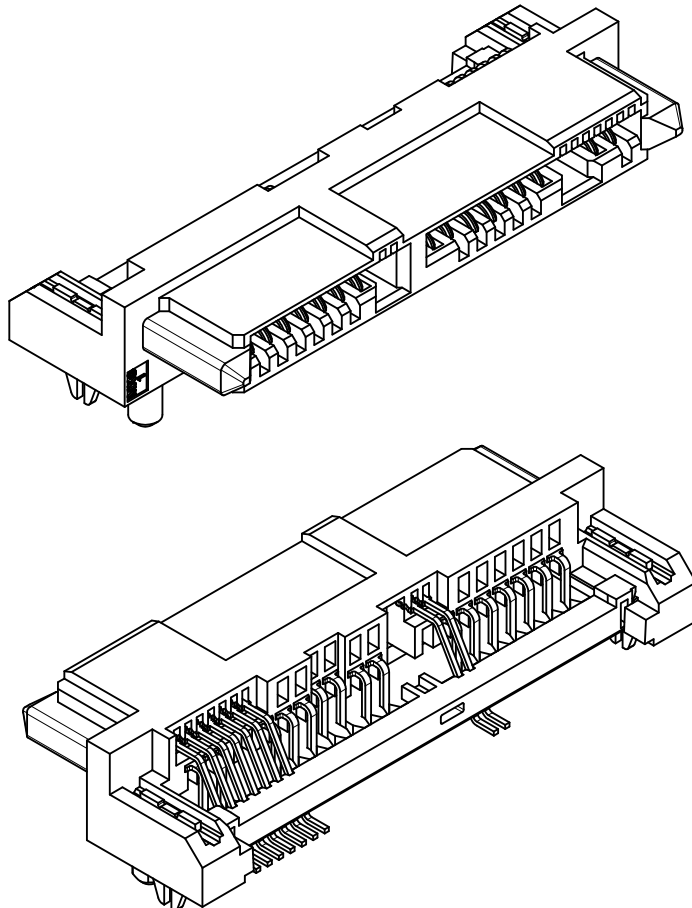
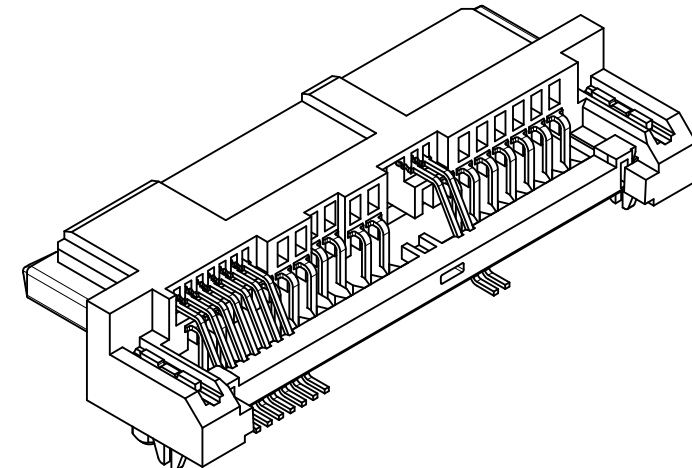
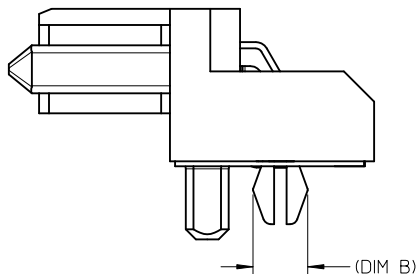
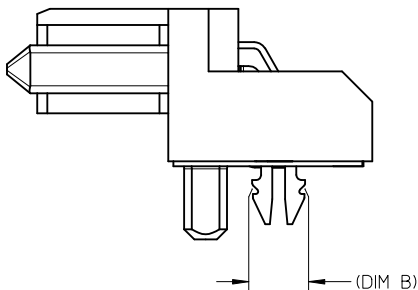
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10	9	8	7	6	5	4	3	2	1				
					PART NUMBER	HOLDDOWN	DIM A (PCB THICKNESS)		DIM B				
					78395-0001	FORKLOCK	1.00±0.10		(2.18)				
					78395-0002	FORKLOCK	1.20±0.12 TO 1.60±0.16 PCB FORKLOCK HOLE MUST BE PLATED THRU-HOLE (PTH) REGARDLESS WHETHER FORKLOCK IS SOLDERED OR NOT		(2.10)				
													
					78395-0001		78395-0002						
REVISED BASEPLATE EC NO: S2010-0600 DRWN:GMENARLY 2010/01/14 CHKD:SCHEONG 2010/03/31 APPR:BOKOK 2010/04/01 DESCRIPTION REV					QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_P=0$		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY YKOH DATE 2008/05/20 CHECKED BY JTAN02 DATE 2008/06/11 APPROVED BY BOKOK DATE 2010/03/31 MATERIAL NO.		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
A7					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD		MOLEX INCORPORATED		
							SIZE A3		DOCUMENT NO. SD-78395-001		SHEET NO. 4 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					

1b_frame_A3_P_AM_T
Rev. F 2009/06/18

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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