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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](#)
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

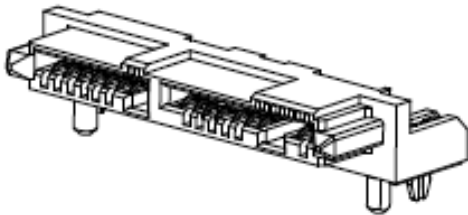
CSA	LR19980
UL	E29179

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



Series

image - Reference only

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.

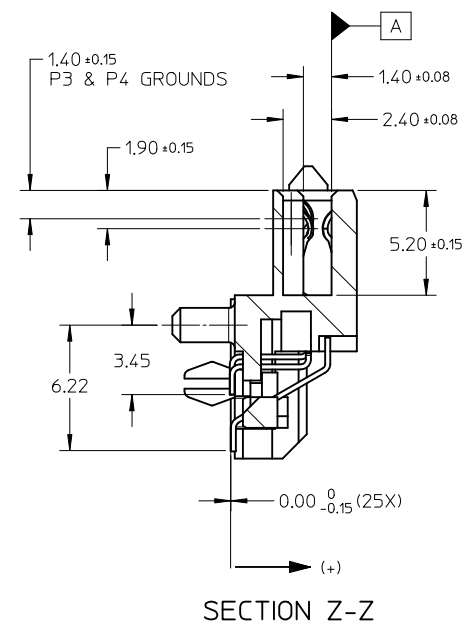
Search Parts in this Series
[78395Series](#)

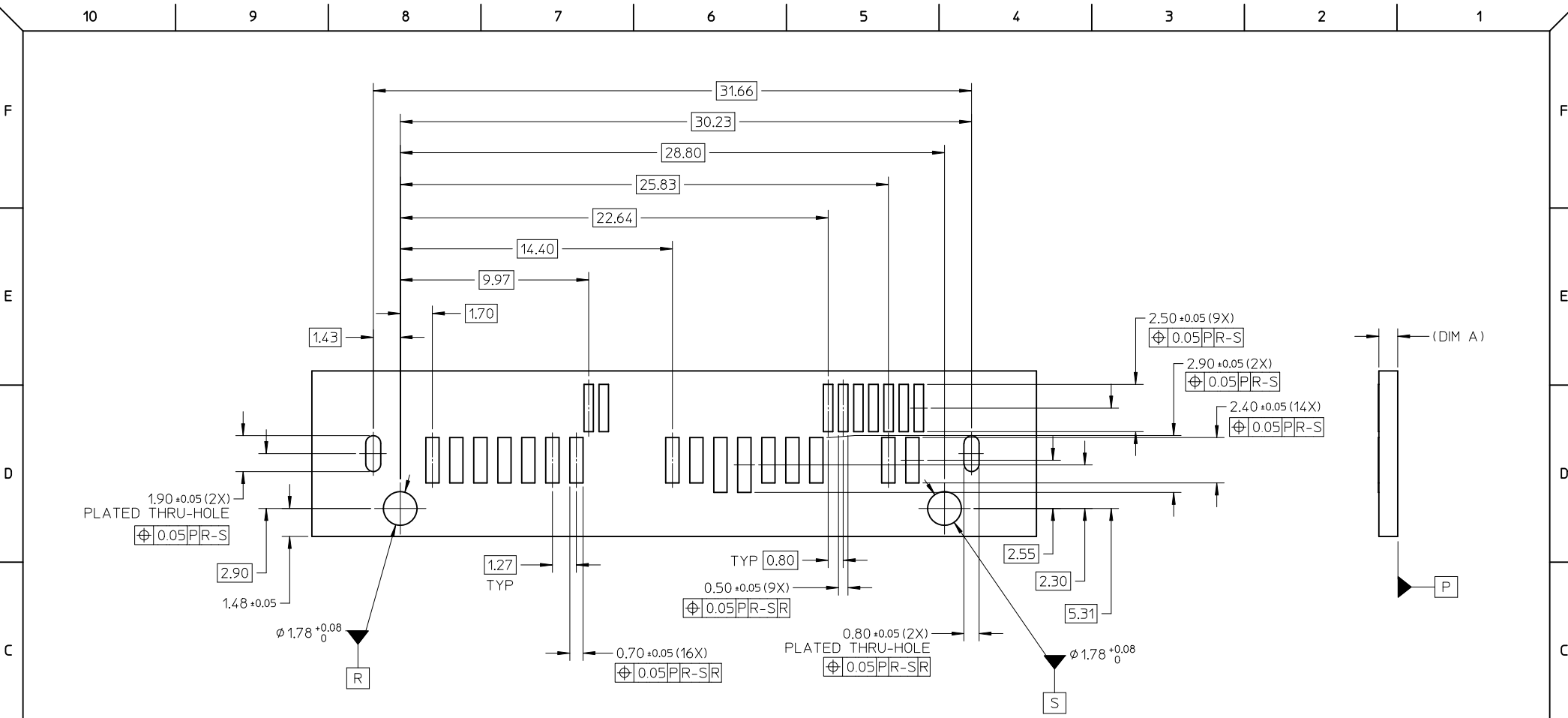
Mates With
[78394](#) , [78528](#) Micro SAS Plugs

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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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		SHEET NO. 3 OF 4		
				1 PLACE	± ---	± ---							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.				
SEE TABLE		SD-78395-001											
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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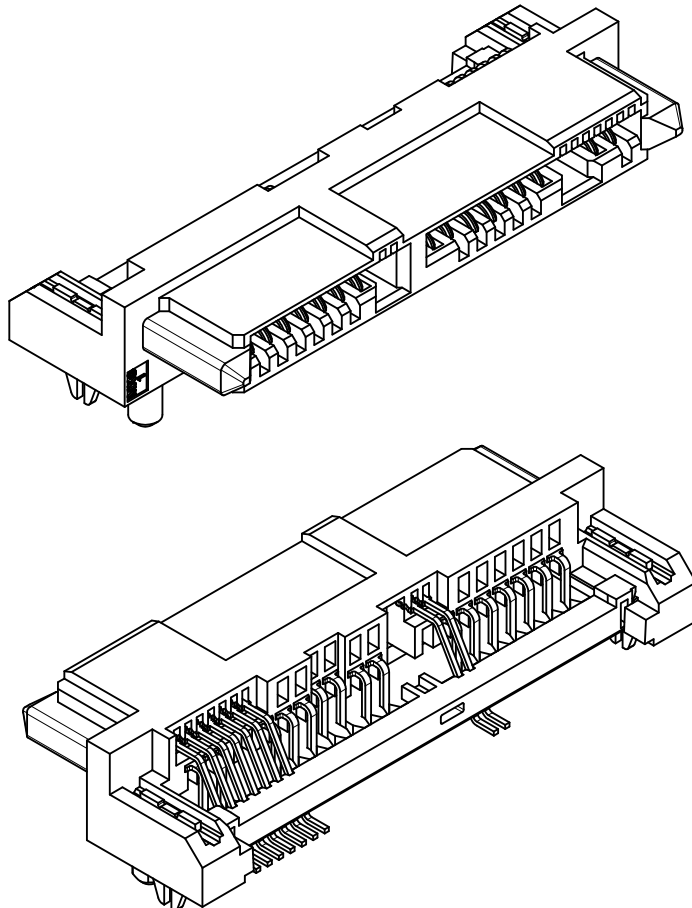
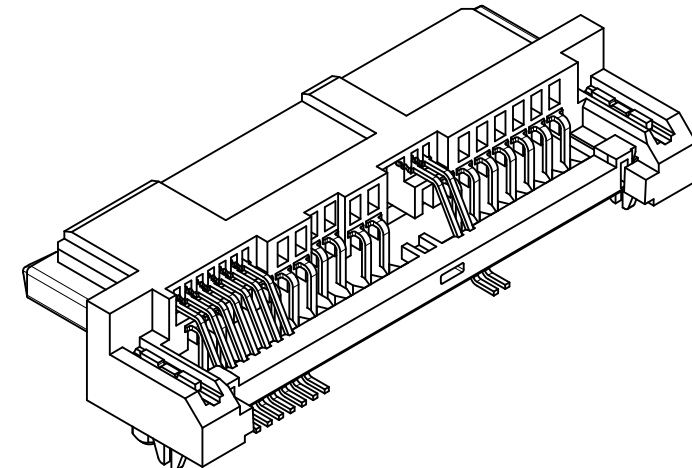
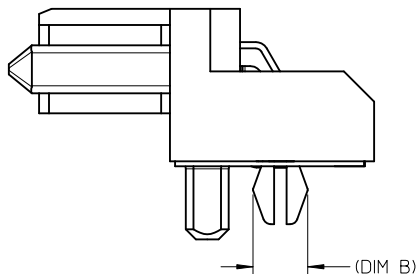
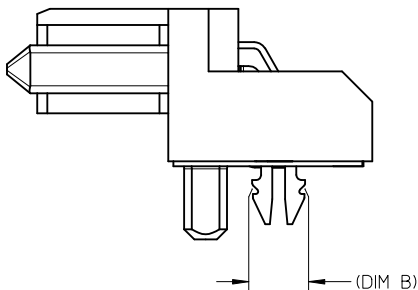
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10	9	8	7	6	5	4	3	2	1					
					PART NUMBER	HOLDDOWN	DIM A (PCB THICKNESS)		DIM B					
					78395-0001	FORKLOCK	1.00±0.10		(2.18)					
					78395-0002	FORKLOCK	1.20±0.12 TO 1.60±0.16 PCB FORKLOCK HOLE MUST BE PLATED THRU-HOLE (PTH) REGARDLESS WHETHER FORKLOCK IS SOLDERED OR NOT		(2.10)					
														
					78395-0001		78395-0002							
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A7					F _A =0 F _C =0 F _P =0		mm INCH		DRAWN BY YKOH DATE 2008/05/20		TITLE MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD MOLEX INCORPORATED SD-78395-001		SHEET NO. 4 OF 4	
							4 PLACES ± --- ± ---		CHECKED BY JTAN02 DATE 2008/06/11					
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							2 PLACES ± 0.20 ± ---		MATERIAL NO.		DOCUMENT NO.			
							1 PLACE ± --- ± ---		SEE TABLE					
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1b_frame_A3_P_AM_T
Rev. F 2009/06/18

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