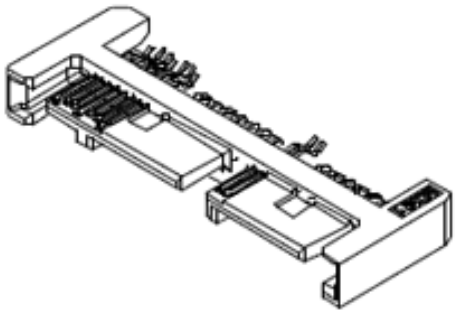
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0783940002
Status: Active
Description: 0.80mm(.031"), 1.27mm(.050") Micro SAS Plug, Right Angle, Straddle Mount, 0.76µm (30µ") Gold (Au) Plating, 25 Circuits, Halogen free, Lead free



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-78394-001 (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	78394
Application	Board-to-Board
Comments	Housing plane is flush and without step
Component Type	Plug
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	Male
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	Horizontal
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.039 In
PCB Thickness Recommended (mm)	1.00 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	Straddle Mount

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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
78394Series

Mates With
78395 , 78396 , 78495 Micro SAS Receptacles

Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	30V

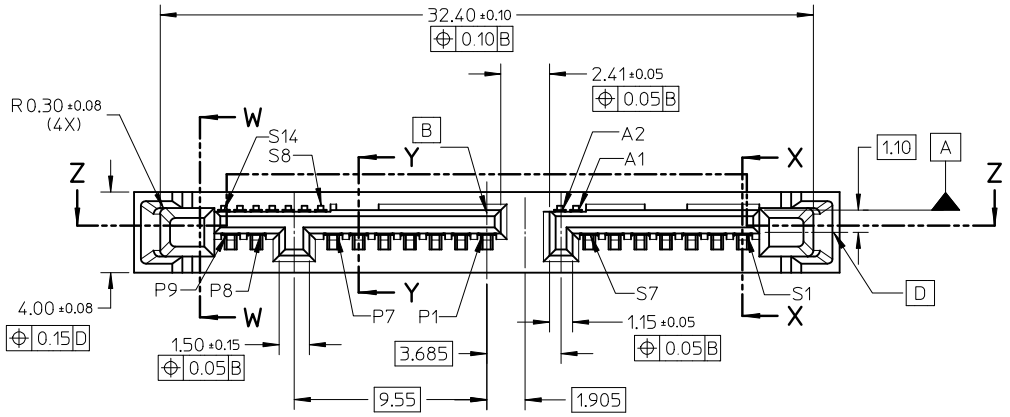
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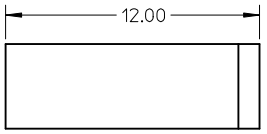
Reference - Drawing Numbers

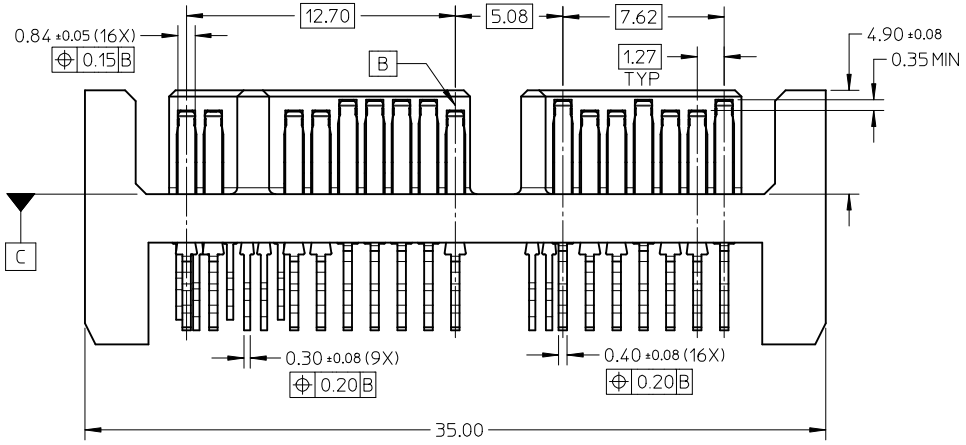
Product Specification	PS-78394-001
Sales Drawing	SD-78394-002

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION







NOTES:

1. MATERIALS: LCP, GLASS FILLED, UL 94V-0, BLACK
2. FINISHES: 0.76 µm MIN. GOLD OVER
   1.27 µm MIN. NICKEL UNDERPLATE
   : 2.54 µm MIN. TIN OVER
   1.27 µm MIN. NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-78394-001
4. PACKAGING SPECIFICATION: TRAY
5. MATES WITH: MOLEX MICROSAS RECEPTACLE
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

MXS SLOT CHANGED
EC NO: S2010-0533 2010/01/04
DRWN:WJYAP 2010/01/05
CH'KD:GMENARLY 2010/01/06
APPR:BOKOK
DESCRIPTION
REV

A1

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GMENARLY DATE: 2009/07/24
CHECKED BY: CGOH DATE: 2009/08/06
APPROVED BY: BOKOK DATE: 2009/08/06

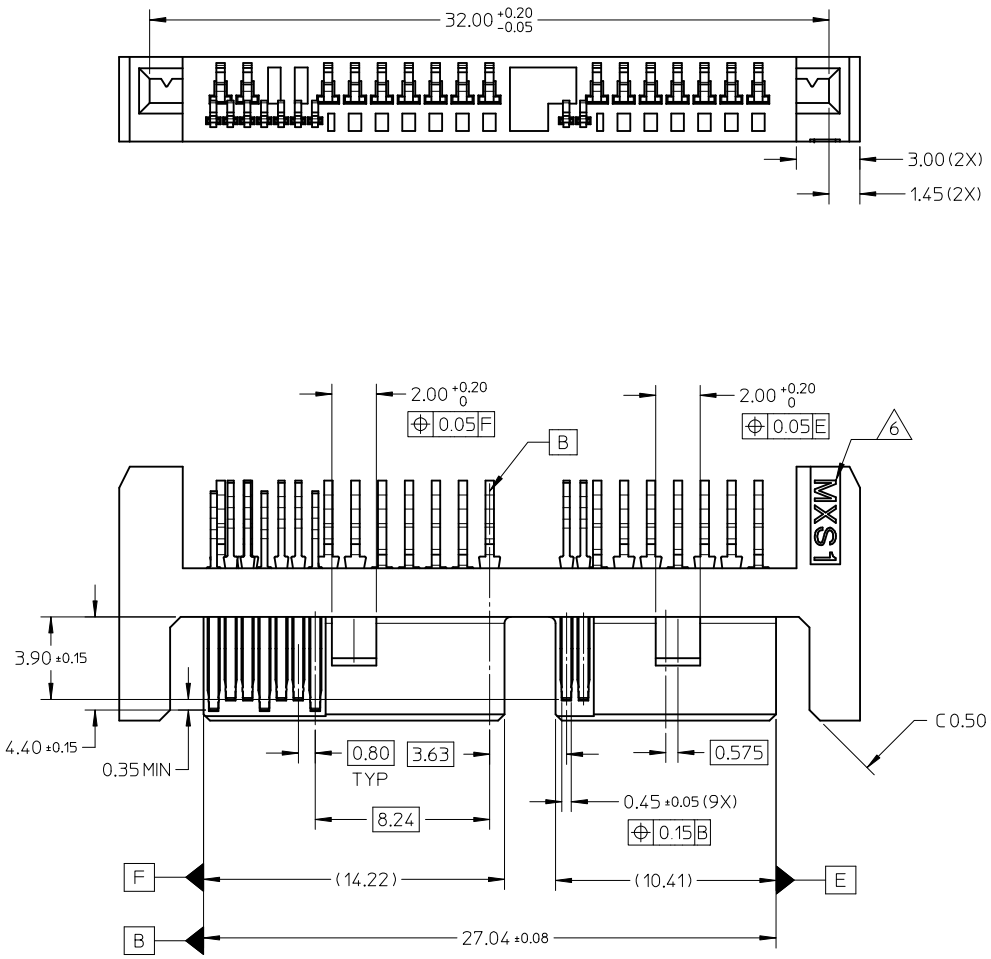
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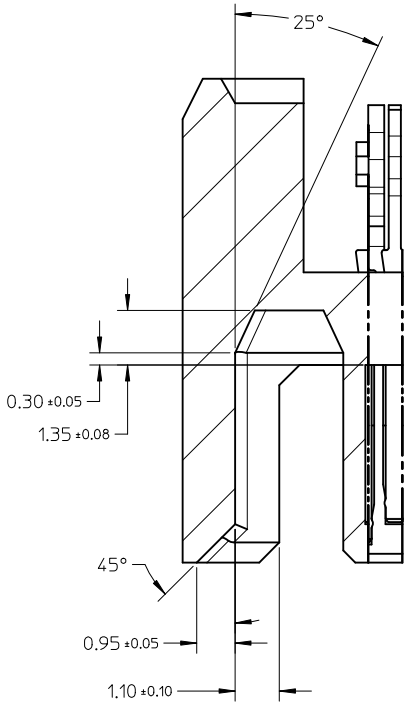
MOLEX INCORPORATED

MATERIAL NO.: 78394-0002
DOCUMENT NO.: SD-78394-002
SHEET NO.: 1 OF 4

SIZE: A3

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PARTIAL1
OF SECTION Z-Z

MXS SLOT CHANGED
EC NO: S2010-0533
DRWN:WJYAP 2010/01/04
CH'KD:GMENARLY 2010/01/05
APPR:BOKOK 2010/01/06
DESCRIPTION
REV

A1

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

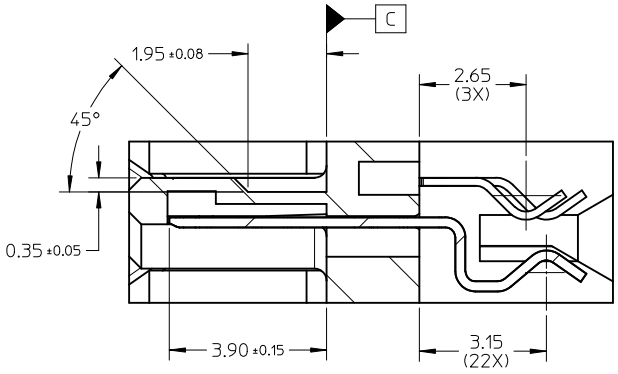
		DATE
DRAWN BY	GMENARLY	2009/07/24
CHECKED BY	CGOH	2009/08/06
APPROVED BY	BOKOK	2009/08/06

TITLE: MICRO SAS PLUG RIGHT ANGLE STRADDLE MOUNT

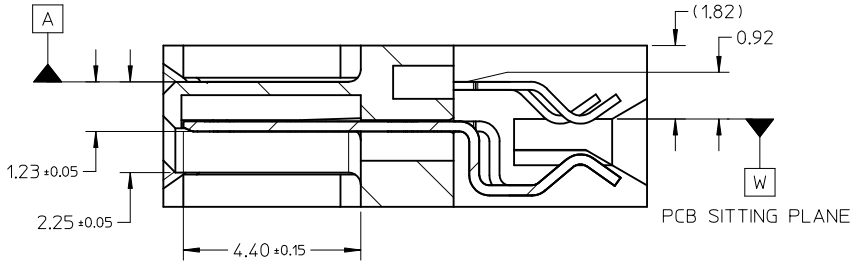
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MATERIAL NO.: 78394-0002
DOCUMENT NO.: SD-78394-002
SHEET NO.: 2 OF 4
SIZE: A3

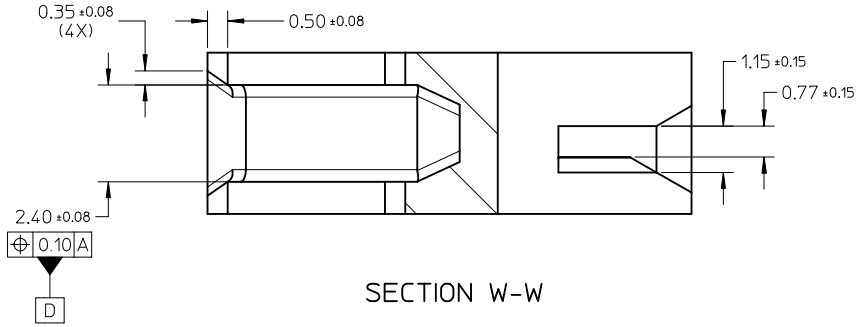
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SECTION Y-Y



SECTION X-X



SECTION W-W

MXS SLOT CHANGED
EC NO: S2010-0533
DRWN:WJYAP 2010/01/04
CH'KD:GMENARLY 2010/01/05
APPR:BOKOK 2010/01/06
DESCRIPTION
REV

A1

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GMENARLY DATE: 2009/07/24
CHECKED BY: CGOH DATE: 2009/08/06
APPROVED BY: BOKOK DATE: 2009/08/06

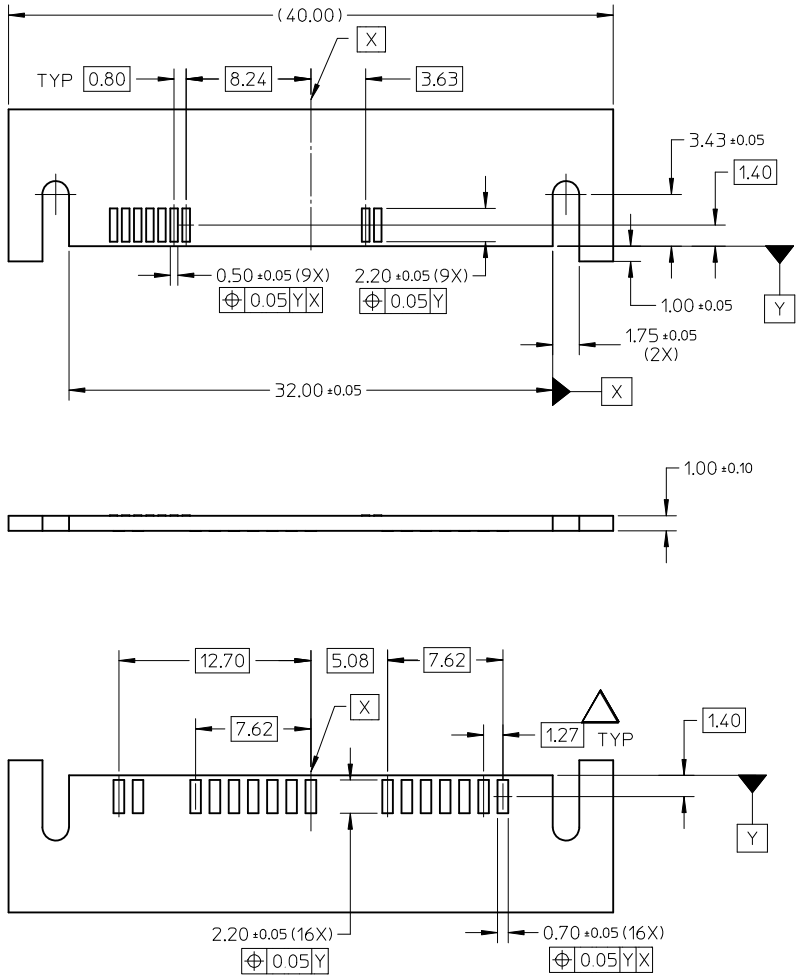
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MOLEX INCORPORATED

MATERIAL NO.: 78394-0002
DOCUMENT NO.: SD-78394-002
SHEET NO.: 3 OF 4

SIZE: A3

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RECOMMENDED PCB LAYOUT

MXS SLOT CHANGED EC NO: S2010-0533 DRWN:WJYAP 2010/01/04 CH'KD:GMENARLY 2010/01/05 APPR:BOKOK 2010/01/06	DESCRIPTION	QUALITY SYMBOLS FA=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.20 / ± --- 1 PLACE ± --- / ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
				DRAWN BY: GMENARLY DATE: 2009/07/24 CHECKED BY: CGOH DATE: 2009/08/06 APPROVED BY: BOKOK DATE: 2009/08/06 MATERIAL NO.: 78394-0002	TITLE: MICRO SAS PLUG RIGHT ANGLE STRADDLE MOUNT MOLEX INCORPORATED DOCUMENT NO.: SD-78394-002 SHEET NO.: 4 OF 4		
A1	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		