

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

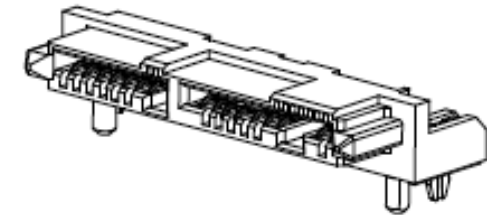
0783950001

Status:

Active

Description:

0.80mm(.031"), 1.27mm(.050") Micro SAS Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 25 Circuits, for 1.00mm (.039") PCB Thickness, Halogen free, Lead free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-78395-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Component Type

Product Name

Type

I/O Connectors

78395

Board-to-Board

Receptacle

Micro SAS

N/A

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

Flammability

Gender

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Temperature Range - Operating

Termination Interface: Style

Waterproof / Dustproof

N/A

25

25

Signal 14, Power 9, Sideband 2

Black

500

94V-0

Female

Yes

None

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

2

Right Angle

Yes

Yes

0.039 In

1.00 mm

Tray

Yes

0.031 In, 0.050 In

0.80 mm, 1.27 mm

30

0.76

100

2.54

Yes

Yes

2

0°C to +55°C

Surface Mount

No

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

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	
Product Specification	PS-78395-001
Sales Drawing	SD-78395-001

This document was generated on 05/17/2010

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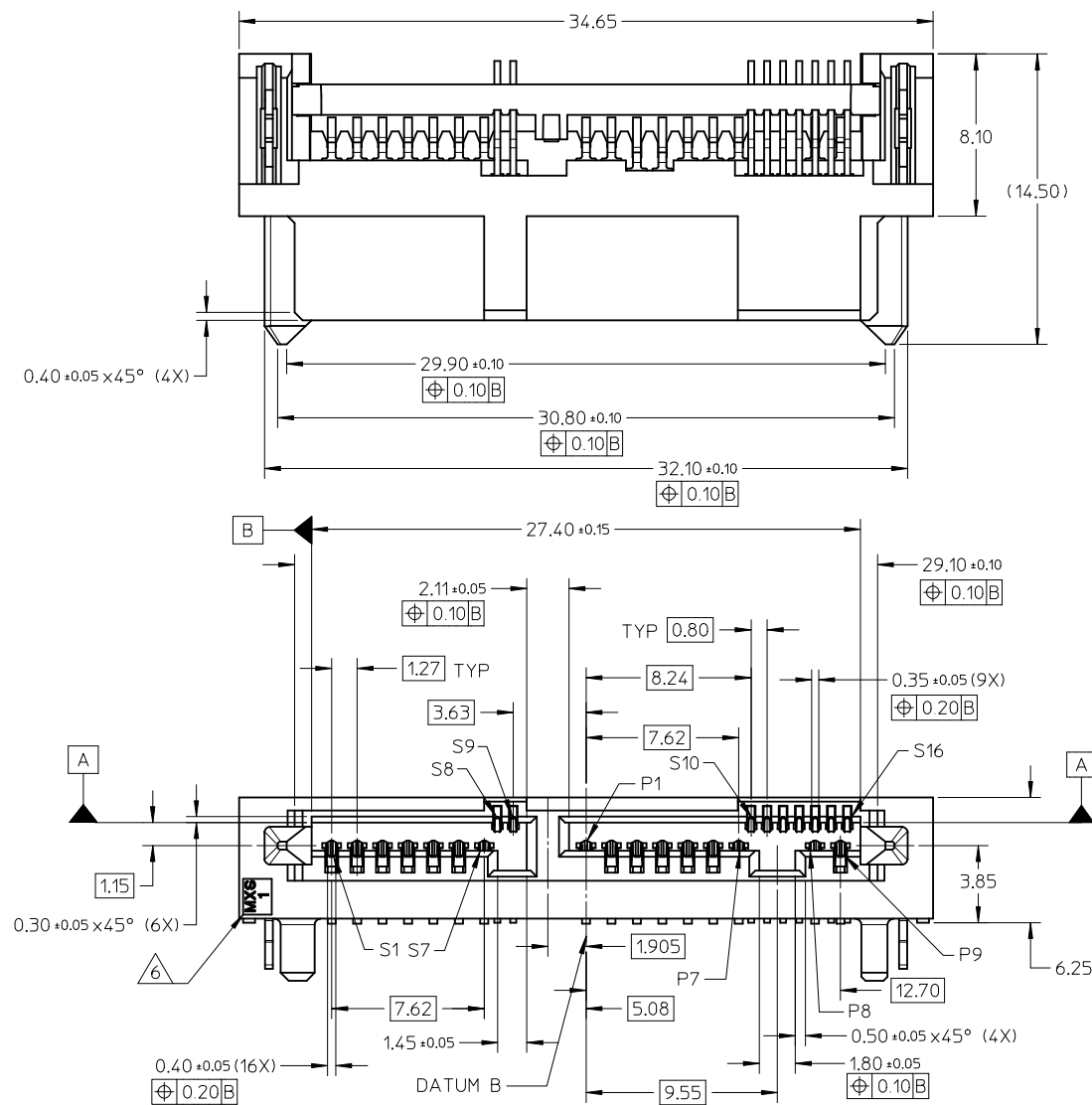
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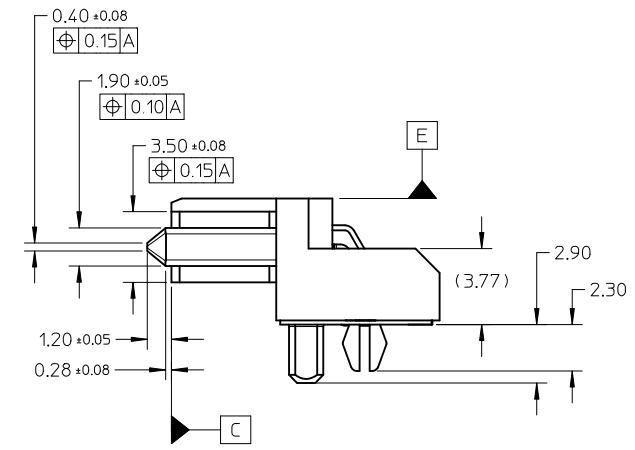
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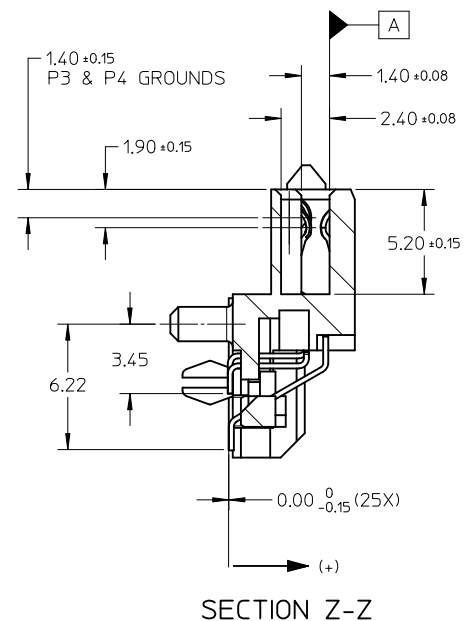
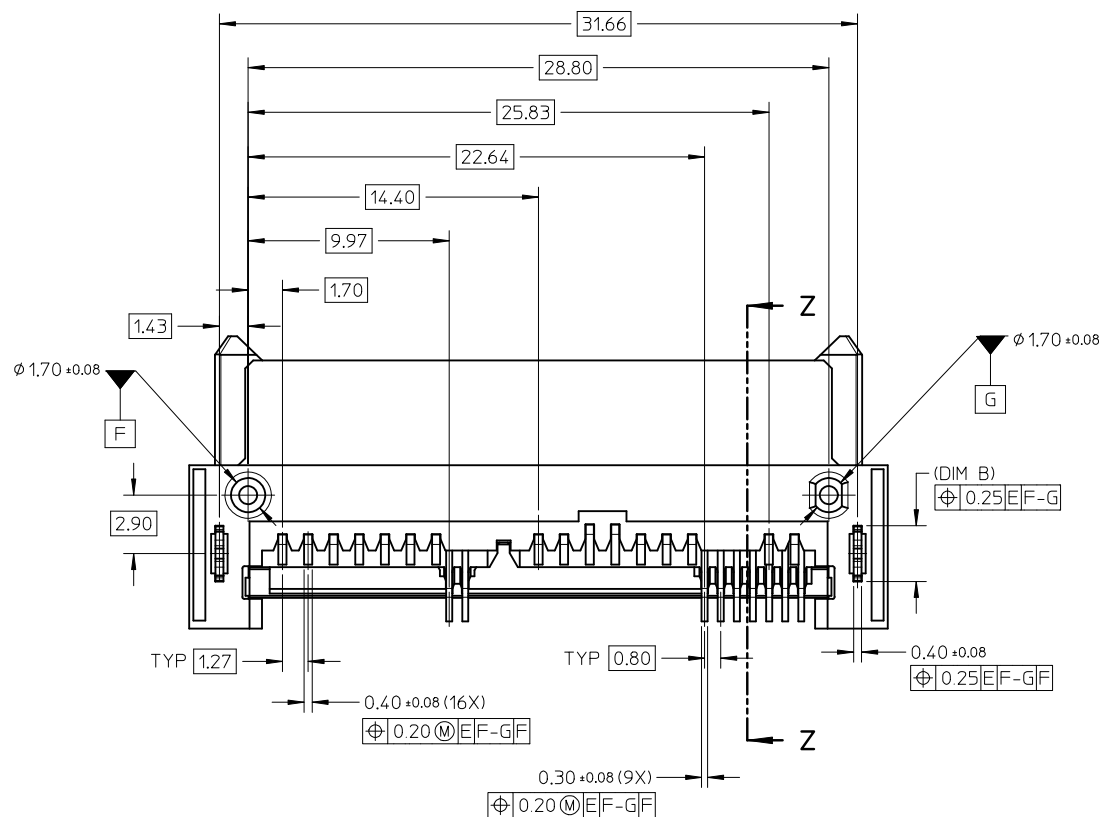
- NOTES:
1. MATERIAL : LCP, GLASS FILLED, UL 94V-0, BLACK
TERMINAL/FORKLOCK : COPPER ALLOY
 2. FINISHES :
TERMINAL : 0.76µm MIN. SELECTIVE GOLD OVER
1.27µm MIN. NICKEL UNDERPLATE
: 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
FORKLOCK : 2.54µm MIN. TIN OVER
1.27µm MIN. NICKEL UNDERPLATE
 3. PRODUCT 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.



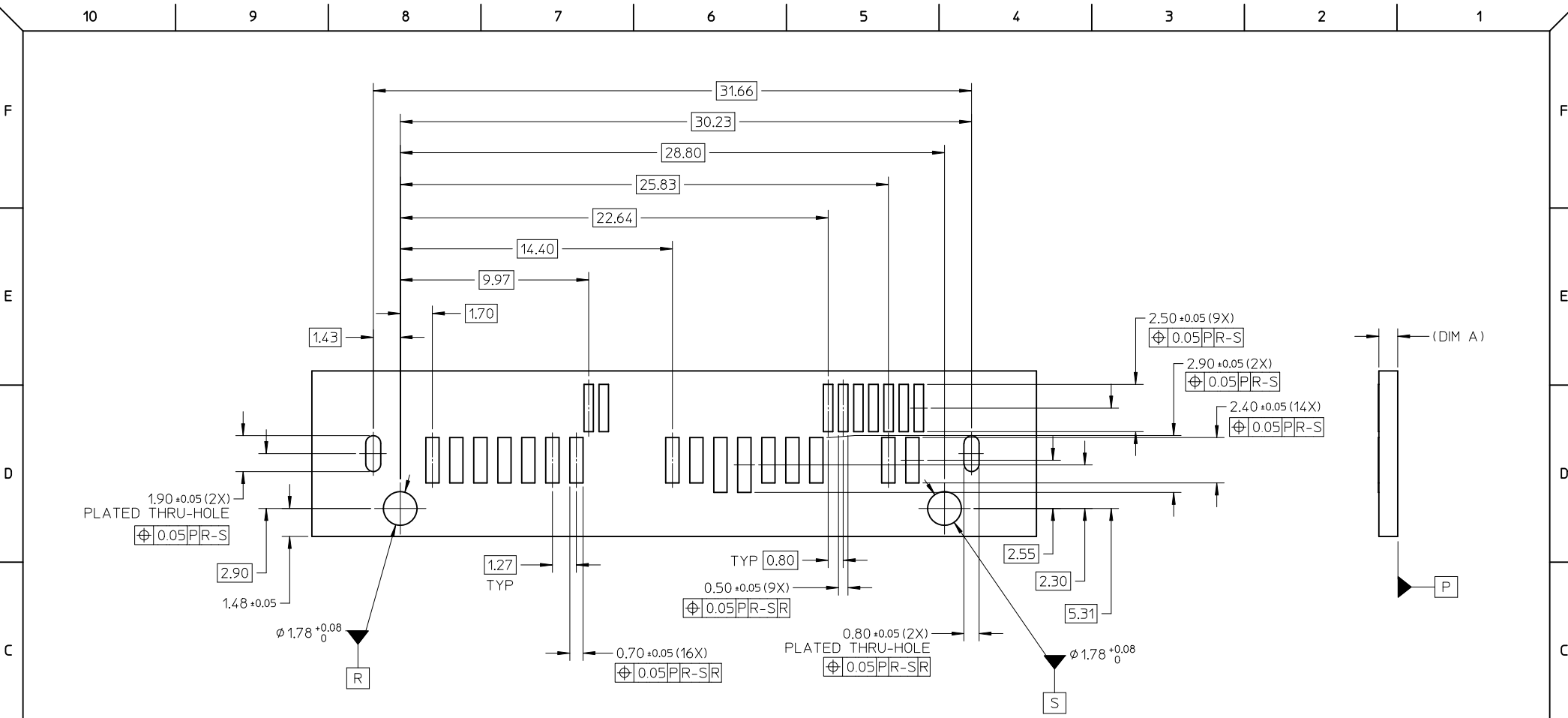
REVISED BASEPLATE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO:	REV	DESCRIPTION	SYMBOL	mm	INCH	MM ONLY	DATE	NTS	DATE	METRIC	DATE		
S2010-0600	A7	DRW:GEMARLY	F _A =0	4 PLACES	± ---	± ---	YKOH	2008/05/20					
2010/01/14		CHKD:SCHEONG	F _C =0	3 PLACES	± ---	± ---	CHECKED BY	DATE					
2010/03/31		APPR:BOKOK	F _P =0	2 PLACES	± 0.20	± ---	JTAN02	2008/06/11					
2010/04/01				1 PLACE	± ---	± ---	APPROVED BY	DATE					
							BOKOK	2010/03/31					
							MATERIAL NO.						
							SEE TABLE						
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

TITLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
MM ONLY	DATE	NTS	DATE	METRIC	DATE		
	2008/05/20						
	2008/06/11						
	2010/03/31						

MICRO SAS RECEPTACLE
R/A, SMT, 3.85MM HEIGHT
1.8 INCH SSD/HDD
MOLEX INCORPORATED
SD-78395-001
1 OF 4



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

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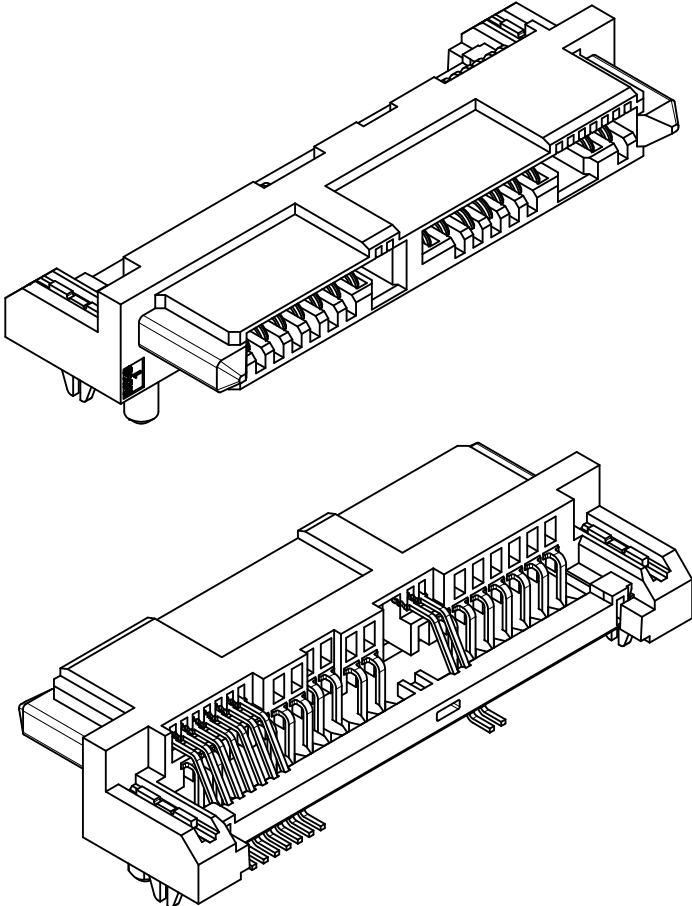
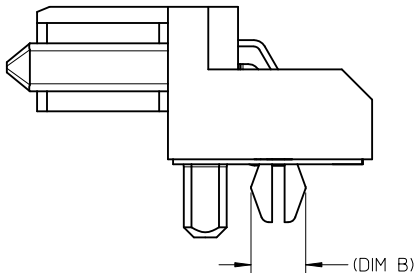
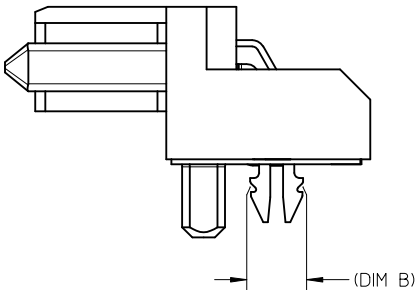
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10	9	8	7	6	5	4	3	2	1
					PART NUMBER	HOLDDOWN	DIM A (PCB THICKNESS)		DIM B
					78395-0001	FORKLOCK	1.00±0.10		(2.18)
					78395-0002	FORKLOCK	1.20±0.12 TO 1.60±0.16 PCB FORKLOCK HOLE MUST BE PLATED THRU-HOLE (PTH) REGARDLESS WHETHER FORKLOCK IS SOLDERED OR NOT		(2.10)
									
					78395-0001				78395-0002
REVISED BASEPLATE EC NO: S2010-0600 DRWN: MENARLY 2010/01/14 CHKD: SCHEONG 2010/03/31 APPR: BOKOK 2010/04/01 DESCRIPTION F_A=0 F_C=0 F_P=0 REV A7					QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE
									MM ONLY
									DRAWN BY
									DATE
					4 PLACES	± ---	± ---	YKOH	2008/05/20
					3 PLACES	± ---	± ---	CHECKED BY	DATE
					2 PLACES	± 0.20	± ---	JTAN02	2008/06/11
					1 PLACE	± ---	± ---	APPROVED BY	DATE
					ANGULAR ± 3 °		BOKOK		2010/03/31
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		
					SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
					SCALE		NTS		
					DESIGN UNITS		METRIC		
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					TITLE		MICRO SAS RECEPTACLE R/A, SMT, 3.85MM HEIGHT 1.8 INCH SSD/HDD		
					MOLEX INCORPORATED		DOCUMENT NO.		
					SD-78395-001		SHEET NO.		
					4 OF 4				

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