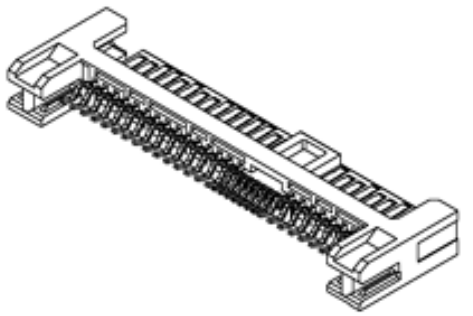
This document was generated on 04/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0784770001

Status: Active

Description: 1.27mm (.050") Pitch SAS Plug, Straddle Mount, 0.76µm (30µ") Gold (Au) Plating, 22 Circuits, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-78477-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	I/O Connectors
Series	78477
Application	Wire-to-Board
Component Type	Plug
Product Name	SAS
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Horizontal
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	0.075
Plating min: Termination (µm)	1.91
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Straddle Mount

Electrical

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

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
78477Series

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

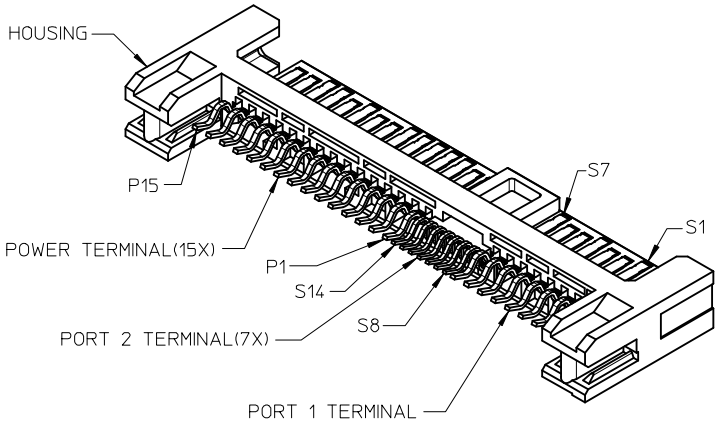
Material Info

Reference - Drawing Numbers

Product Specification	PS-78477-001
Sales Drawing	SD-78477-001

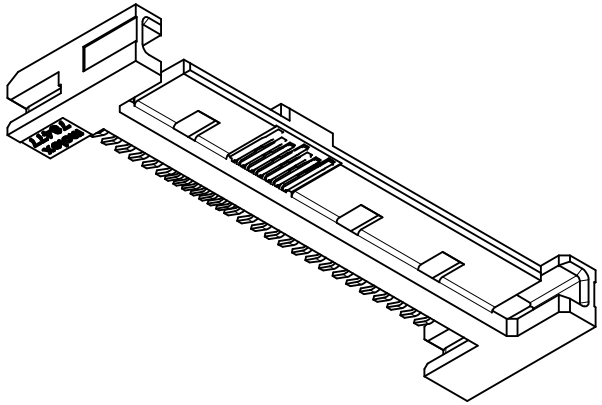
This document was generated on 04/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

1. MATERIAL :
   HOUSING : LCP, GLASS FILLED, UL94V-0, COLOR BLACK.
   TERMINAL : CARTRIDGE BRASS, C26000.
2. PLATING FINISHES :
   PORT 1 :
   CONTACT : 0.76um MIN. GOLD OVER 1.27um MIN. NICKEL UNDERPLATE.
   SOLDERTAIL : 1.91um MIN. TIN OVER 1.27um MIN. NICKEL UNDERPLATE.
   PORT 2 :
   CONTACT : 0.76um MIN. GOLD OVER 1.27um MIN. NICKEL UNDERPLATE.
   SOLDERTAIL : 1.91um MIN. TIN OVER 1.27um MIN. NICKEL UNDERPLATE.
3. PRODUCT SPECIFICATION : PS-78477-001.
4. PACKAGING SPECIFICATION : PK-78477-001
   PARTS SHALL BE PACKED IN TRAY.
5. MATES WITH SFF 8482 STANDARD RECEPTACLES.
   APPLICABLE TO MOLEX PART NUMBER 87824, 78317, 78367 AND 78476.
6. DATE CODE FORMAT : YYDDD.
7. MOLEX LOGO & PART NUMBER LOCATED APPROXIMATELY AS SHOWN.
8. NON FUNCTIONAL CORINGS MAY VARY FROM DRAWING.



REV	DESCRIPTION	DRWN	CHKD	APPR	DATE
A	INITIAL RELEASE EC NO: S2009-0575	KHLIM	CGOH	BOKOK	2009/03/16

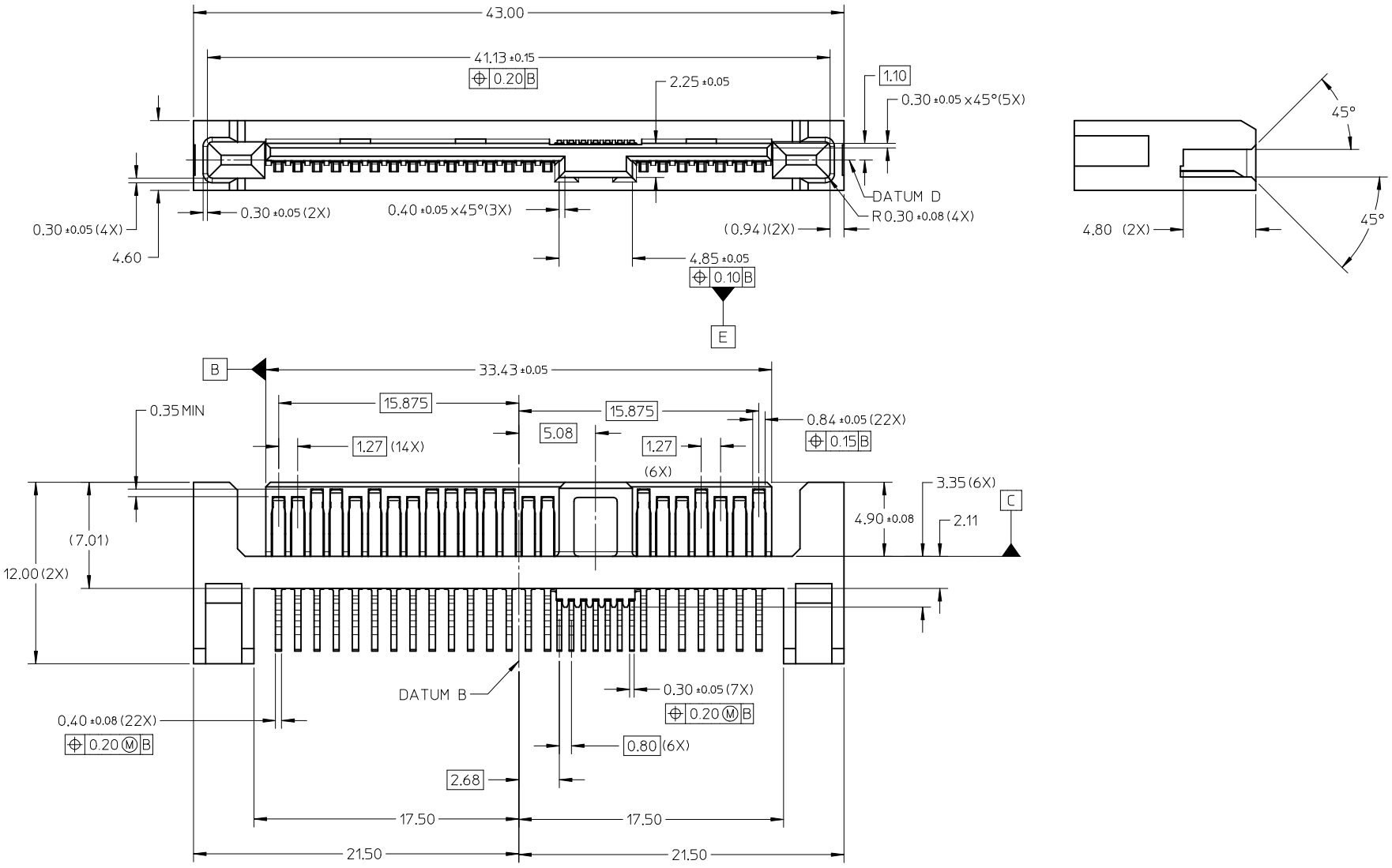
QUALITY SYMBOLS
▼=0
Ⓒ=0

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 / DATE	KHLIM 2009/02/06
CHECKED BY / DATE	CGOH 2009/03/16
APPROVED BY / DATE	BOKOK 2009/03/16
TITLE	SAS PLUG STRADDLE MOUNT 1.20MM MOUNTING HEIGHT
	MOLEX INCORPORATED
MATERIAL NO.	78477-0001
DOCUMENT NO.	SD-78477-001
SHEET NO.	1 OF 4
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



INITIAL RELEASE	2009/03/16	A	
EC NO: S2009-0575	2009/03/16		
DRWN:KHLIM	2009/03/16		
CH'KD:CGOH			
APPR:BOKOK			
DESCRIPTION		REV	

QUALITY SYMBOLS
▼=0
Ⓒ=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	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	NTS	METRIC	

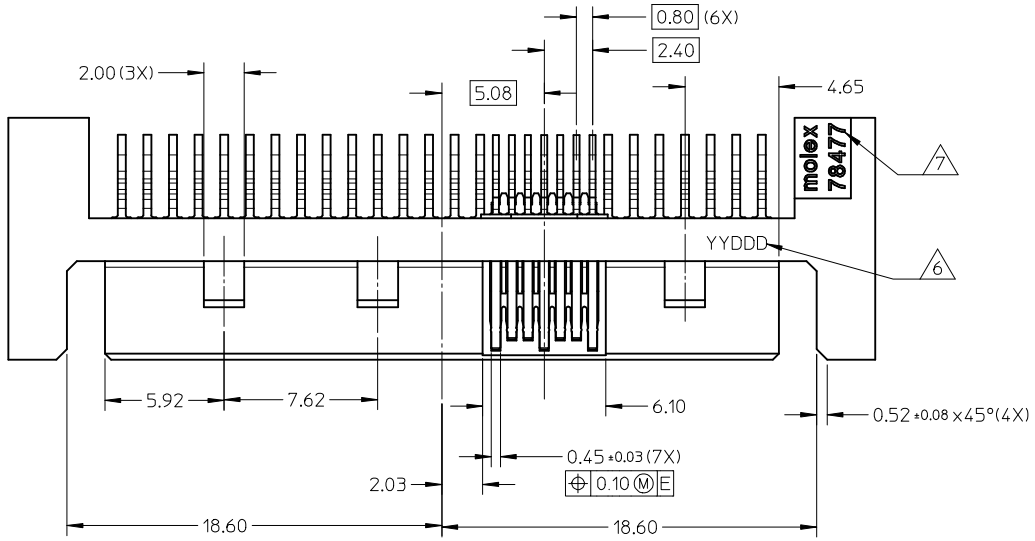
DRAWN BY: KHLIM	DATE: 2009/02/06
CHECKED BY: CGOH	DATE: 2009/03/16
APPROVED BY: BOKOK	DATE: 2009/03/16

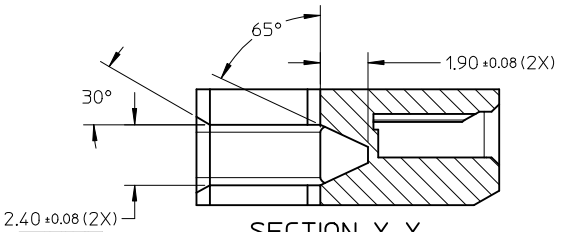
TITLE
SAS PLUG
STRADDLE MOUNT
1.20MM MOUNTING HEIGHT

MOLEX INCORPORATED

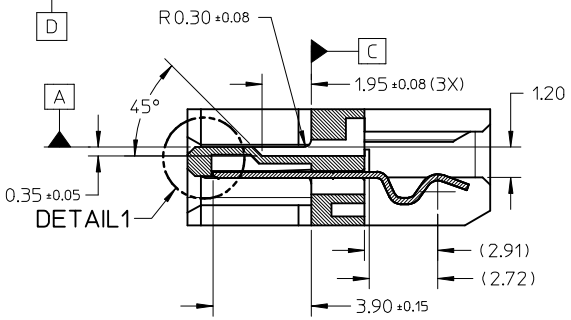
MATERIAL NO.	78477-0001
DOCUMENT NO.	SD-78477-001
SHEET NO.	2 OF 4
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



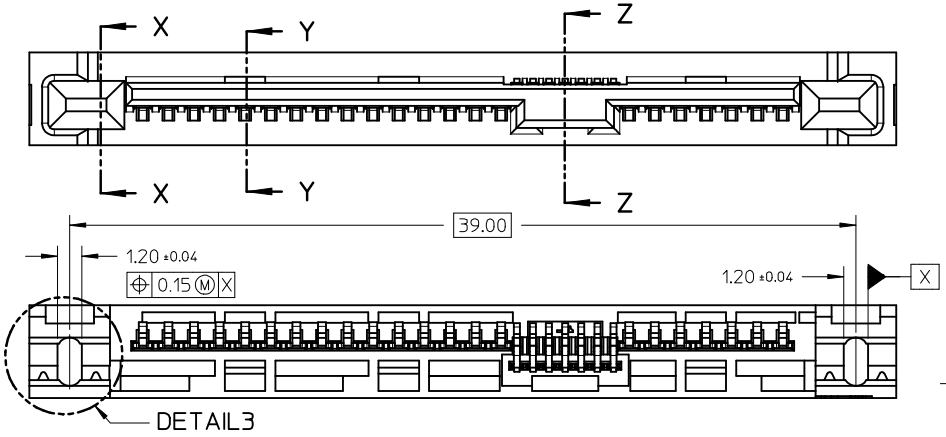


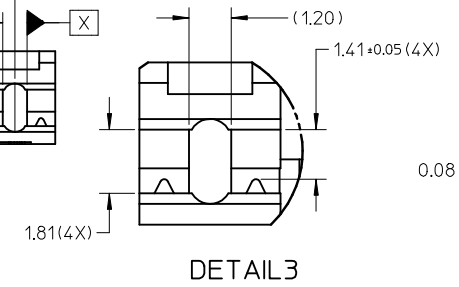
SECTION X-X



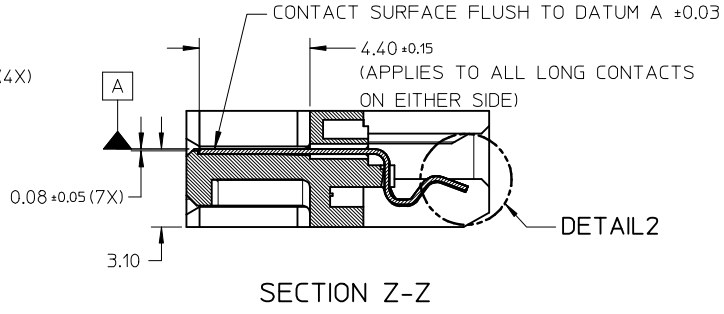
(APPLIES TO ALL SHORT CONTACTS ON EITHER SIDE)

SECTION Y-Y

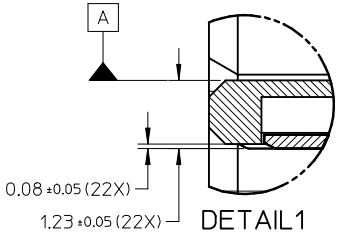




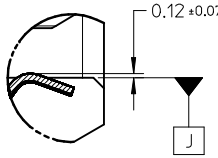
DETAIL3



SECTION Z-Z



DETAIL1



DETAIL2

REV	DESCRIPTION	DRWN:KHLIM	CH'KD:CGOH	APPR:BOKOK
A	INITIAL RELEASE EC NO: S2009-0575	2009/03/16	2009/03/16	2009/03/16

QUALITY SYMBOLS
▼=0
Ⓒ=0

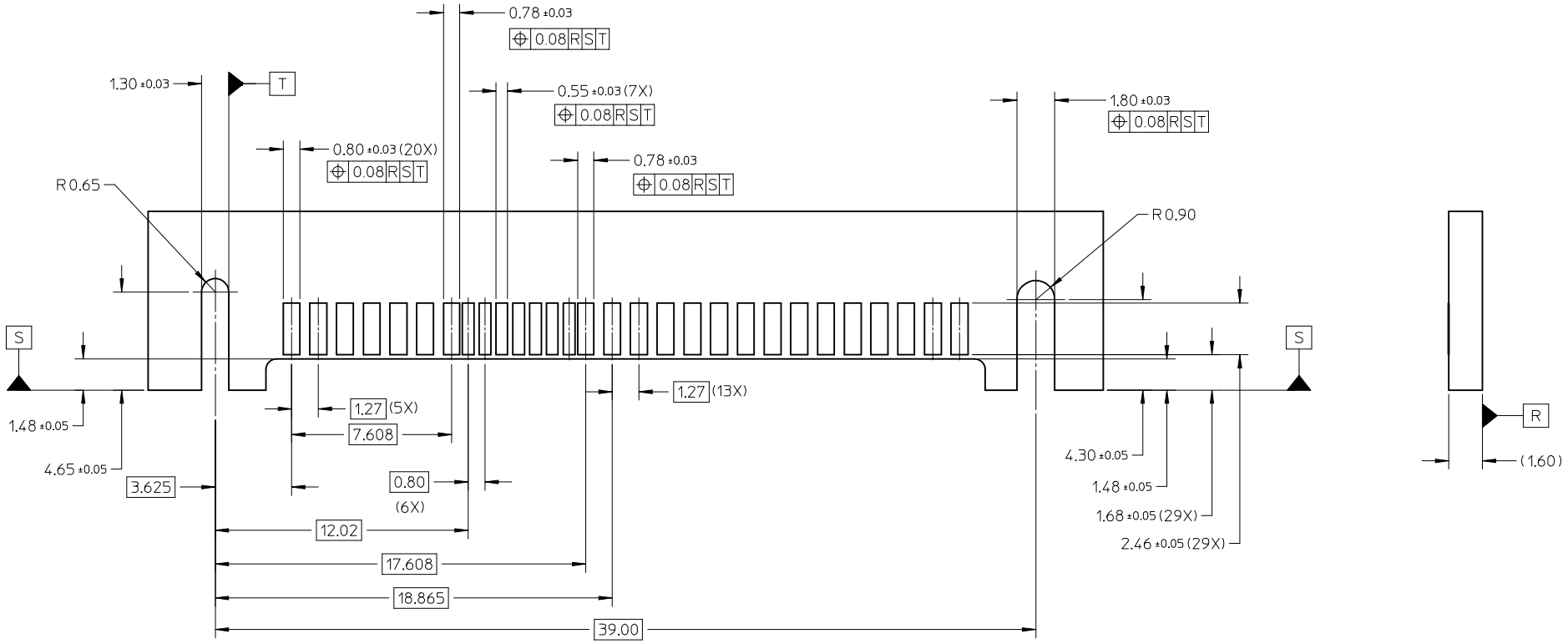
GENERAL TOLERANCES (UNLESS SPECIFIED)

	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	KHLIM
DATE	2009/02/06
CHECKED BY	CGOH
DATE	2009/03/16
APPROVED BY	BOKOK
DATE	2009/03/16
MATERIAL NO.	78477-0001
TITLE	SAS PLUG STRADDLE MOUNT 1.20MM MOUNTING HEIGHT
	MOLEX INCORPORATED
DOCUMENT NO.	SD-78477-001
SHEET NO.	3 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
THICKNESS: 1.60±0.05

INITIAL RELEASE
EC NO: S2009-0575
DRWN:KHLIM 2009/03/16
CH'KD:CGOH 2009/03/16
APPR:BOKOK 2009/03/16
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=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: KHLIM DATE: 2009/02/06
CHECKED BY: CGOH DATE: 2009/03/16
APPROVED BY: BOKOK DATE: 2009/03/16

TITLE
SAS PLUG
STRADDLE MOUNT
1.20MM MOUNTING HEIGHT

MOLEX INCORPORATED

MATERIAL NO.: 78477-0001
DOCUMENT NO.: SD-78477-001
SHEET NO.: 4 OF 4
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION