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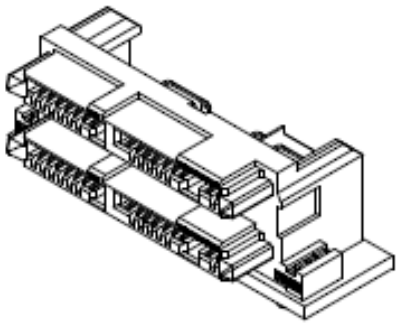
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0784950001

Status: Active

Description: 0.80mm(.031"), 1.27mm(.050") Micro SAS Receptacle, Dual Stack, Right Angle, Through Hole, 0.76µm (30µ") Gold (Au) Plating, 50 Circuits, for 1.00mm (.039") to 1.57 (.062") PCB Thickness, Halogen free, Lead free



Series image - Reference only

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-78495-001 (PDF)

Agency Certification

UL	E29179

General

Product Family	I/O Connectors
Series	78495
Application	Board-to-Board
Component Type	Receptacle
Product Name	Micro SAS
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	50
Circuits (maximum)	50
Circuits Detail	Signal 28, Power 18, Sideband 4
Color - Resin	Black
Durability (mating cycles max)	500
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	4
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 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	4
Temperature Range - Operating	0°C to +55°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

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
78495Series

Mates With
78394 , 78528 Micro SAS Plugs

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

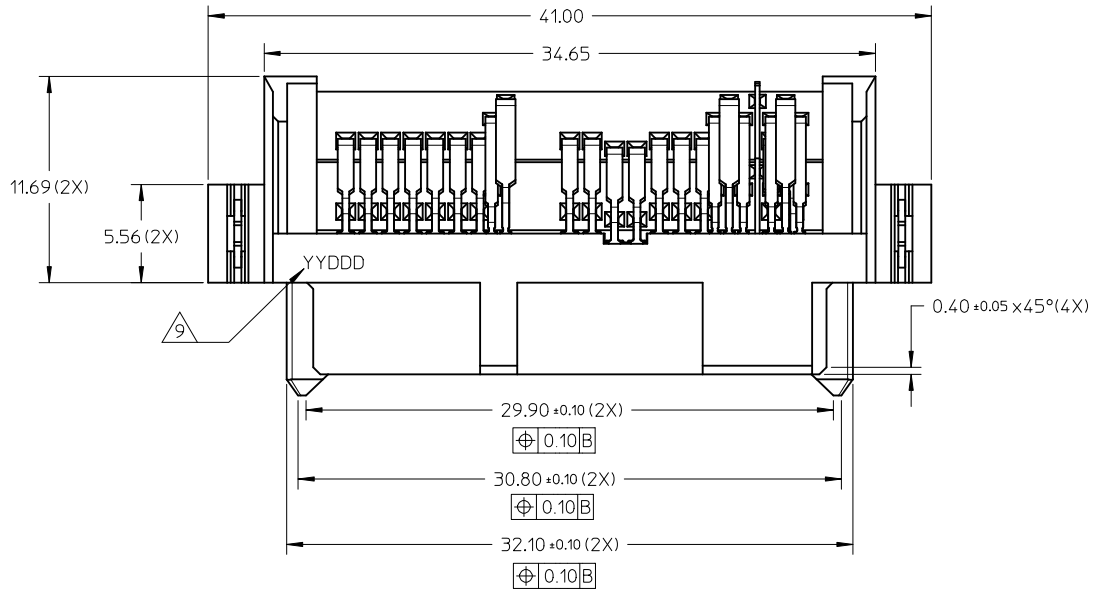
Material Info

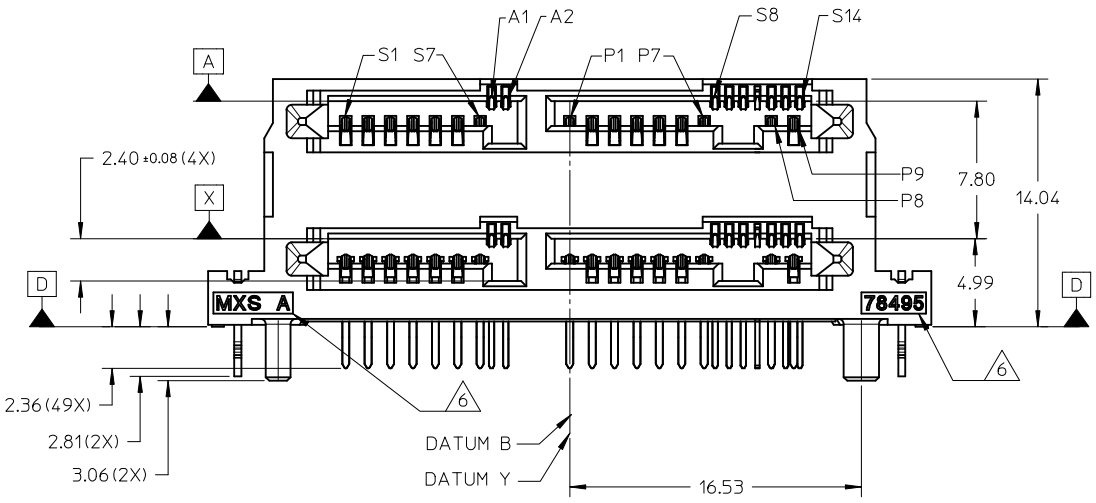
Reference - Drawing Numbers

Product Specification	PS-78495-001, RPS-78495-001
Sales Drawing	SD-78495-001

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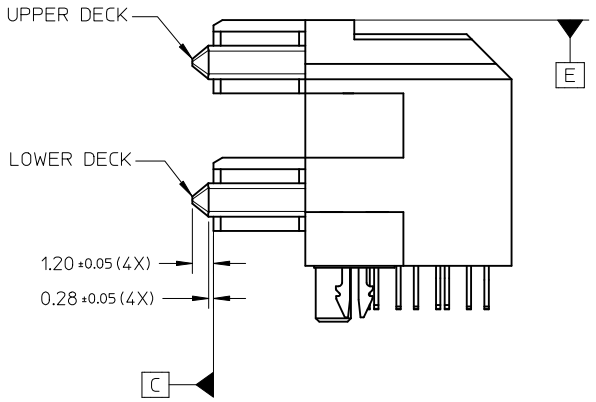
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NOTES:

1. MATERIAL : LCP, GLASS FILLED, UL 94V-0, BLACK
   TERMINAL/FORKLOCK : COPPER ALLOY
2. FINISHES :
   TERMINAL :
   CONTACT: 0.76μm MIN. SELECTIVE GOLD OVER
   1.27μm MIN. NICKEL UNDERPLATE
   SOLDERTAIL: 2.54μm MIN. TIN OVER
   1.27μm MIN. NICKEL UNDERPLATE
   FORKLOCK:
   OVERALL: 2.54μm MIN. TIN OVER
   1.27μm MIN. NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION : PS-78495-001
4. PACKAGING SPECIFICATION : PK-78495-001
5. MATES WITH : MOLEX MICRO SAS PLUGS
   APPLICABLE TO MOLEX PART NO: 78394 SERIES.
6. MOLEX LOGO AND PART NUMBER 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. DATE CODE LOCATED APPROXIMATELY AS SHOWN.



REV	DESCRIPTION	DRWN	CH'KD	APPR	EC NO: S2010-0321
1	INITIAL RELEASE	KHLIM	CGOH	BOKOK	2009/12/03 2009/12/04 2009/12/04

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	KHLIM	2009/10/12
CHECKED BY	CGOH	2009/12/03
APPROVED BY	BOKOK	2009/12/03

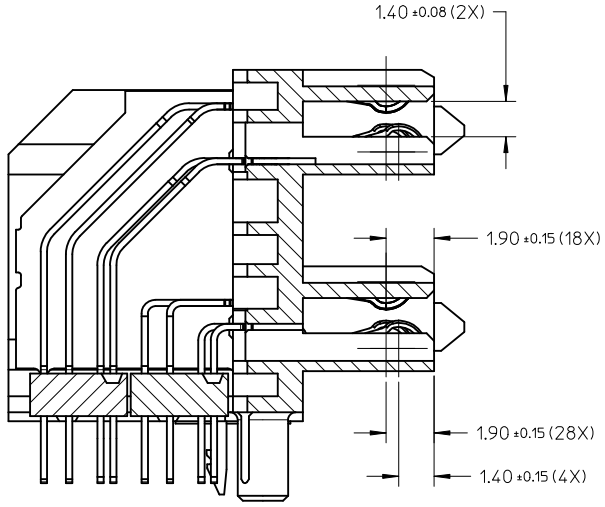
TITLE: MICRO SAS RECEPTACLE DUAL STACK R/A T/H 7.8MM HEIGHT

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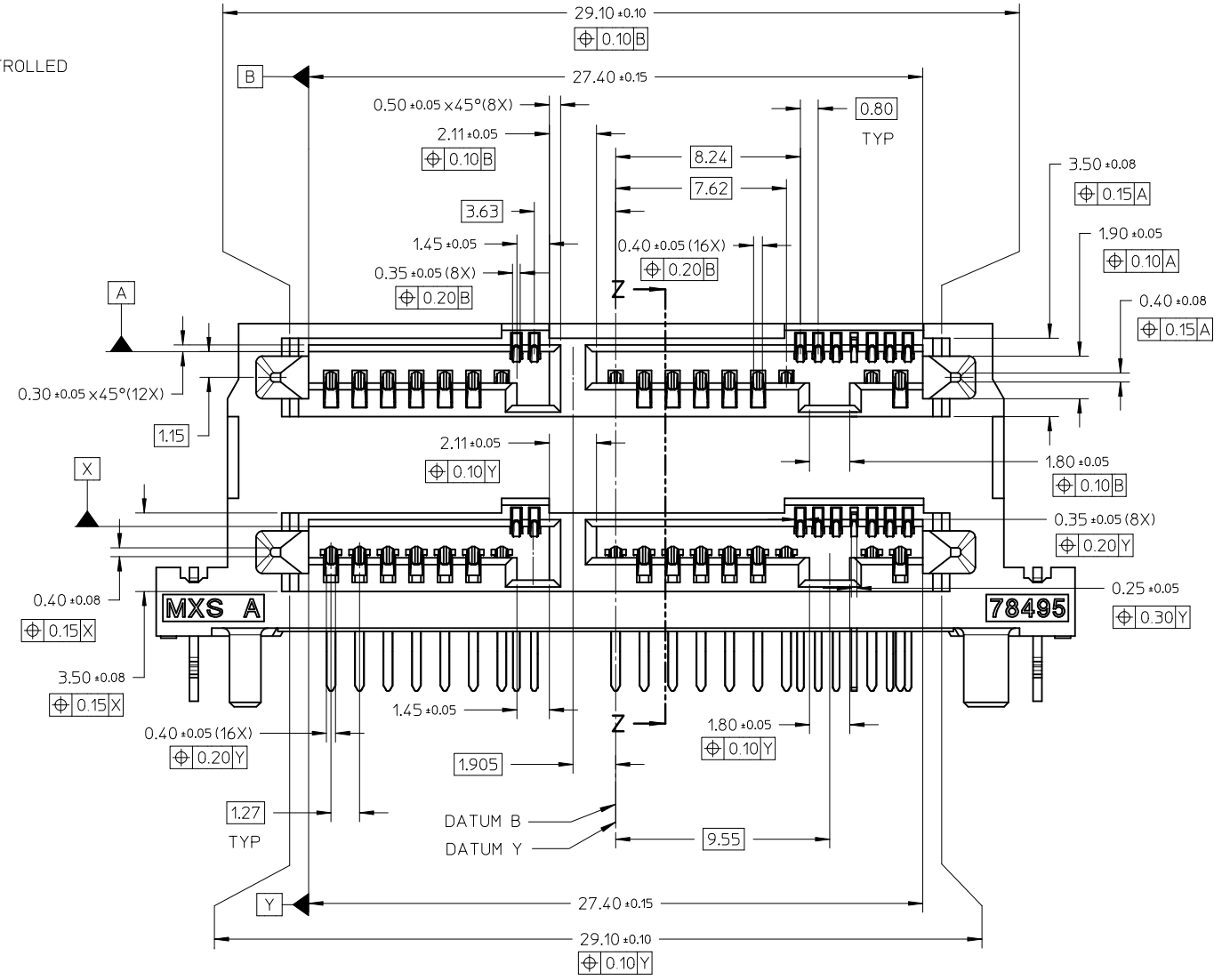
MATERIAL NO.: 78495-0001
DOCUMENT NO.: SD-78495-001
SHEET NO.: 1 OF 4
SIZE: A3

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DIMENSIONAL CONTROL SHOWN IN THIS SHEET ARE CONTROLLED TO THE DATUMS OF EACH DECK RESPECTIVELY.

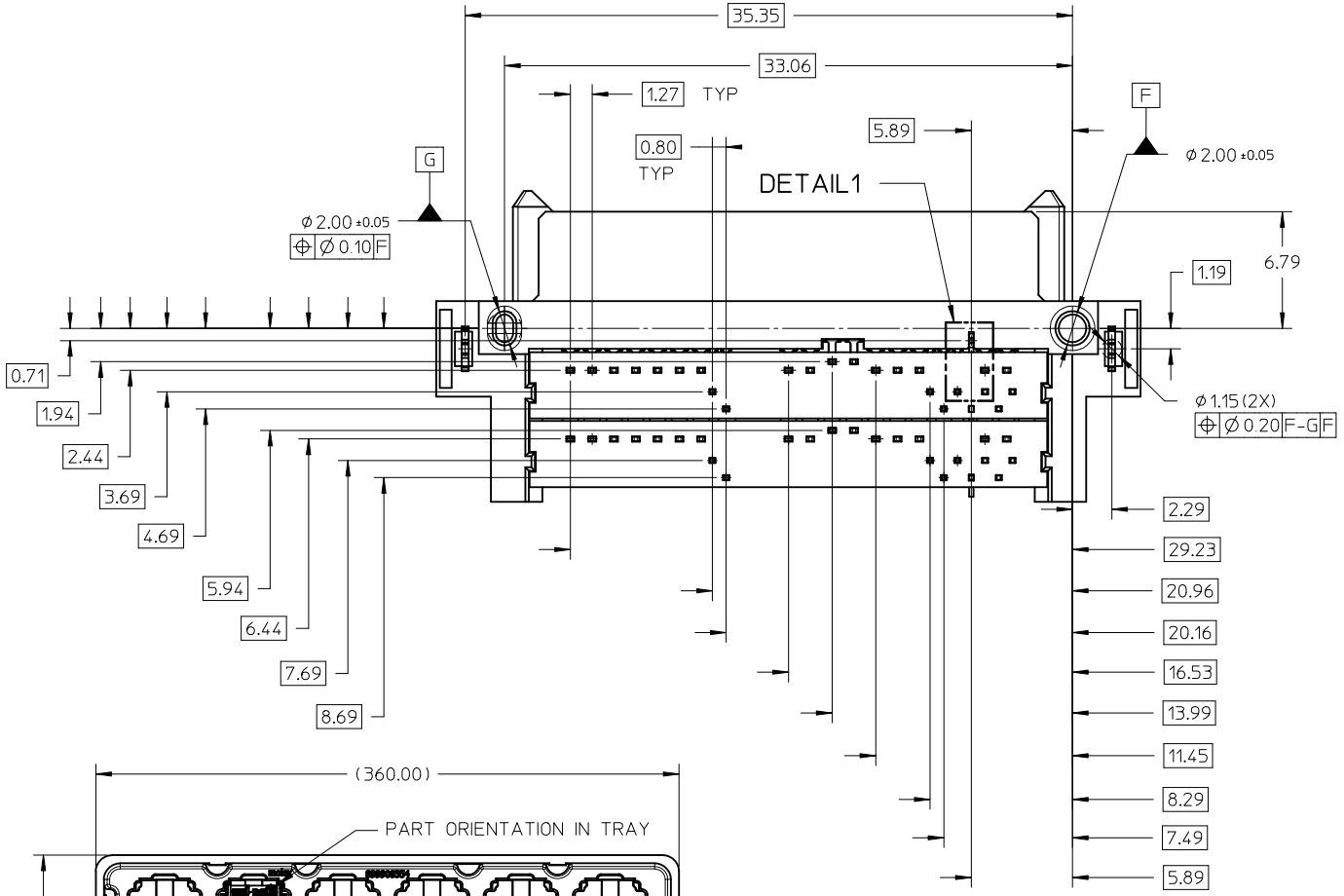


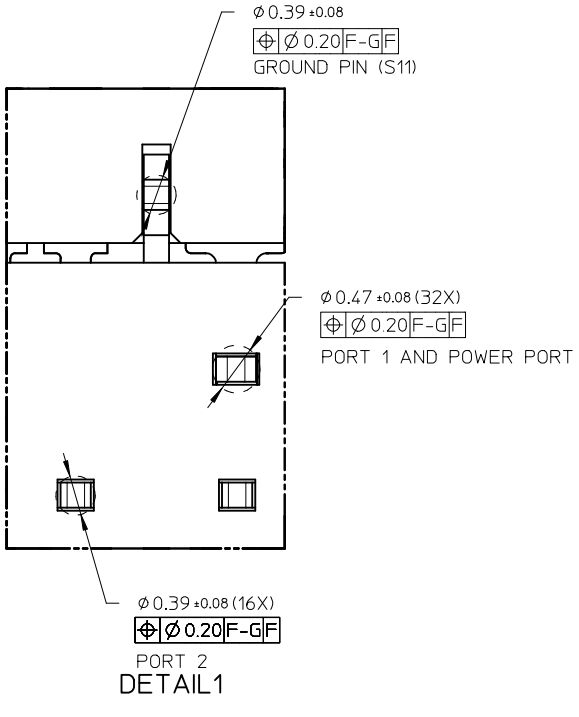
SECTION Z-Z

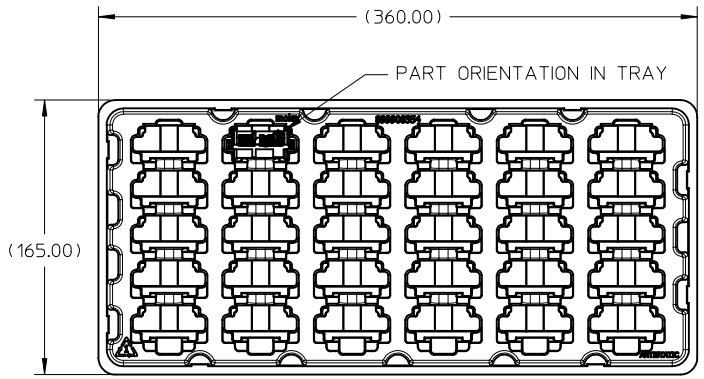


INITIAL RELEASE	2009/12/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS
EC NO: S2010-0321	2009/12/04		mm	INCH	MM ONLY	NTS	METRIC
DRWN:KHLIM	2009/12/04	FA=0	4 PLACES ± ---	± ---	DRAWN BY KHLIM	DATE 2009/10/12	THIRD ANGLE PROJECTION
CH'KD:CGOH		FC=0	3 PLACES ± ---	± ---	CHECKED BY CGOH	DATE 2009/12/03	TITLE: MICRO SAS RECEPTACLE DUAL STACK R/A T/H 7.8MM HEIGHT
APPR:BOKOK		FP=0	2 PLACES ± 0.20	± ---	APPROVED BY BOKOK	DATE 2009/12/03	molex MOLEX INCORPORATED
DESCRIPTION			1 PLACE ± ---	± ---	MATERIAL NO. 78495-0001		DOCUMENT NO. SD-78495-001 SHEET NO. 2 OF 4
REV 1			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3

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INITIAL RELEASE	EC NO: S2010-0321	2009/12/03	
DRWN:KHLIM		2009/12/04	
CH'KD:CGOH		2009/12/04	
APPR:BOKOK			
DESCRIPTION			
1			REV

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 °		

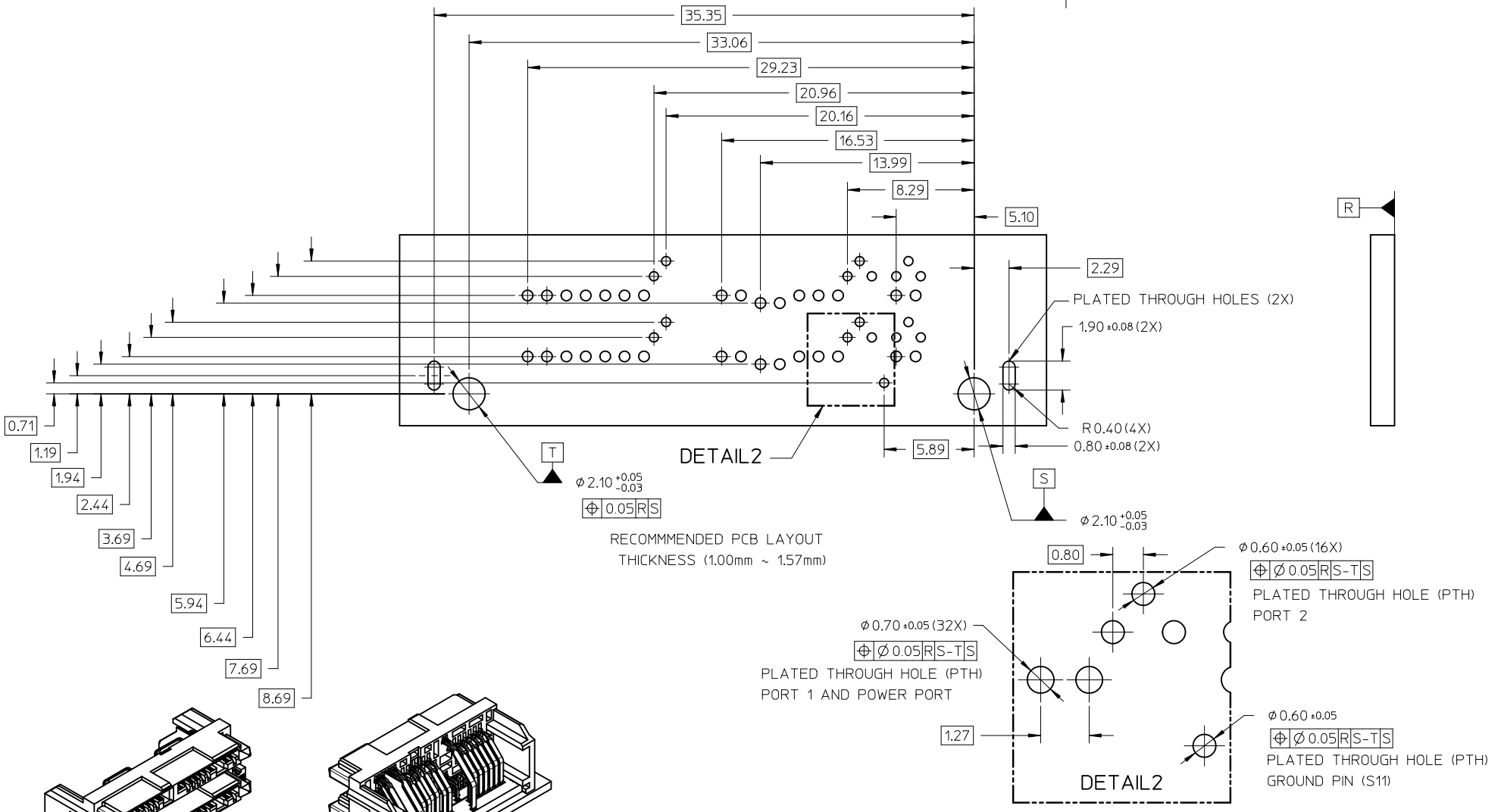
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	KHLIM
DATE	2009/10/12
CHECKED BY	CGOH
DATE	2009/12/03
APPROVED BY	BOKOK
DATE	2009/12/03
MATERIAL NO.	78495-0001
DOCUMENT NO.	SD-78495-001
SHEET NO.	3 OF 4
SIZE	A3

TITLE
MICRO SAS RECEPTACLE
DUAL STACK R/A T/H
7.8MM HEIGHT

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INITIAL RELEASE
EC NO: S2010-0321
DRWN:KHLIM 2009/12/03
CH'KD:CGOH 2009/12/04
APPR:BOKOK 2009/12/04
DESCRIPTION
REV
1

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=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: 2009/10/12
CHECKED BY: CGOH DATE: 2009/12/03
APPROVED BY: BOKOK DATE: 2009/12/03

TITLE: MICRO SAS RECEPTACLE DUAL STACK R/A T/H 7.8MM HEIGHT

MOLEX INCORPORATED

MATERIAL NO.: 78495-0001
DOCUMENT NO.: SD-78495-001
SHEET NO.: 4 OF 4
SIZE: A3

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