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Part Number:

0785000001

Status:

Active

Overview:

micro_sata

Description:

1.27mm (.050") Pitch Micro Serial ATA Device Receptacle for 1.8" SSD/HDD, SMT, Vertical, with Pegs and Kapton Tape, 16 Circuits, EmbossedTape on Reel, Lead free

Documents:

Drawing (PDF)

Product Specification PS-78500-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Receptacles

78500

Board-to-Board

Straight connector base; connector width: 4.15mm (.172")

Overview

Product Name

micro_sata

Micro Serial ATA, Serial ATA

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

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

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. 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

Stackable

Temperature Range - Operating

Termination Interface: Style

16

16

Black

500

94V-0

No

Yes

Yes

No

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Vertical

Yes

Yes

Embossed Tape on Reel

0.050 In

1.27 mm

0.050 In

1.27 mm

30

0.76

100

2.54

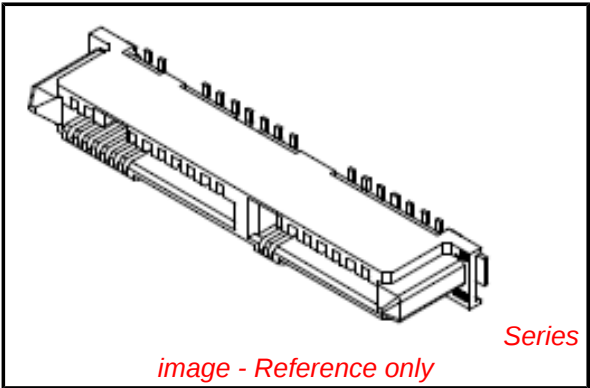
Yes

Yes

No

0°C to +55°C

Surface 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

78500Series

Mates With

78103 , 78283 and 78285 Micro SATA Device Plugs

Electrical

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Voltage - Maximum	30V

Material Info

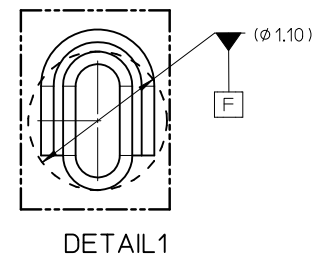
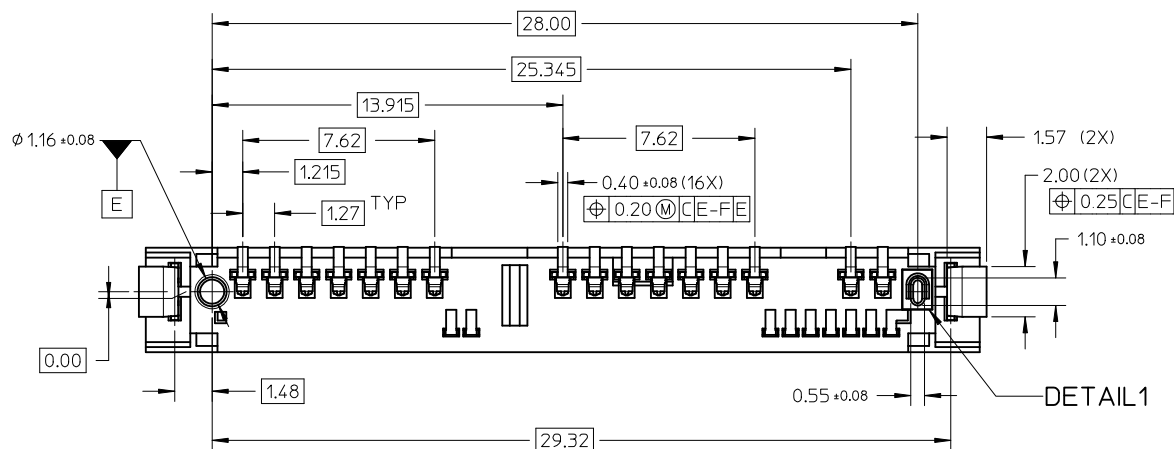
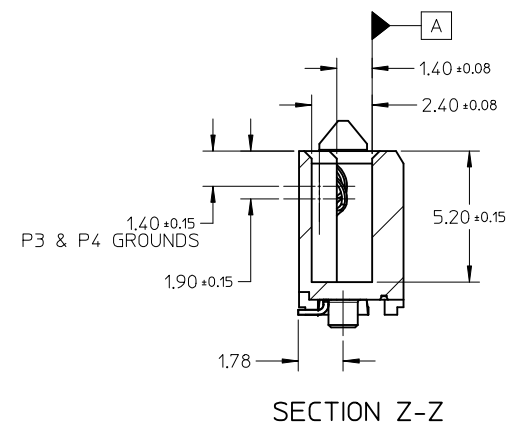
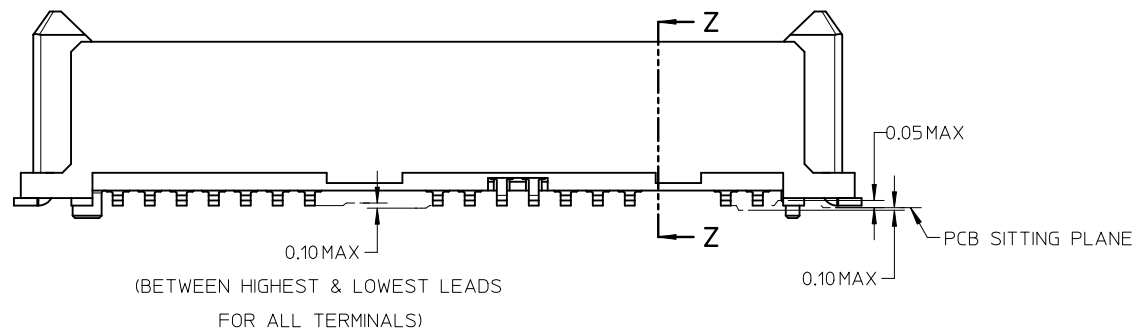
Reference - Drawing Numbers

Packaging Specification	PK-78500-001
Product Specification	PS-78500-001
Sales Drawing	SD-78500-001

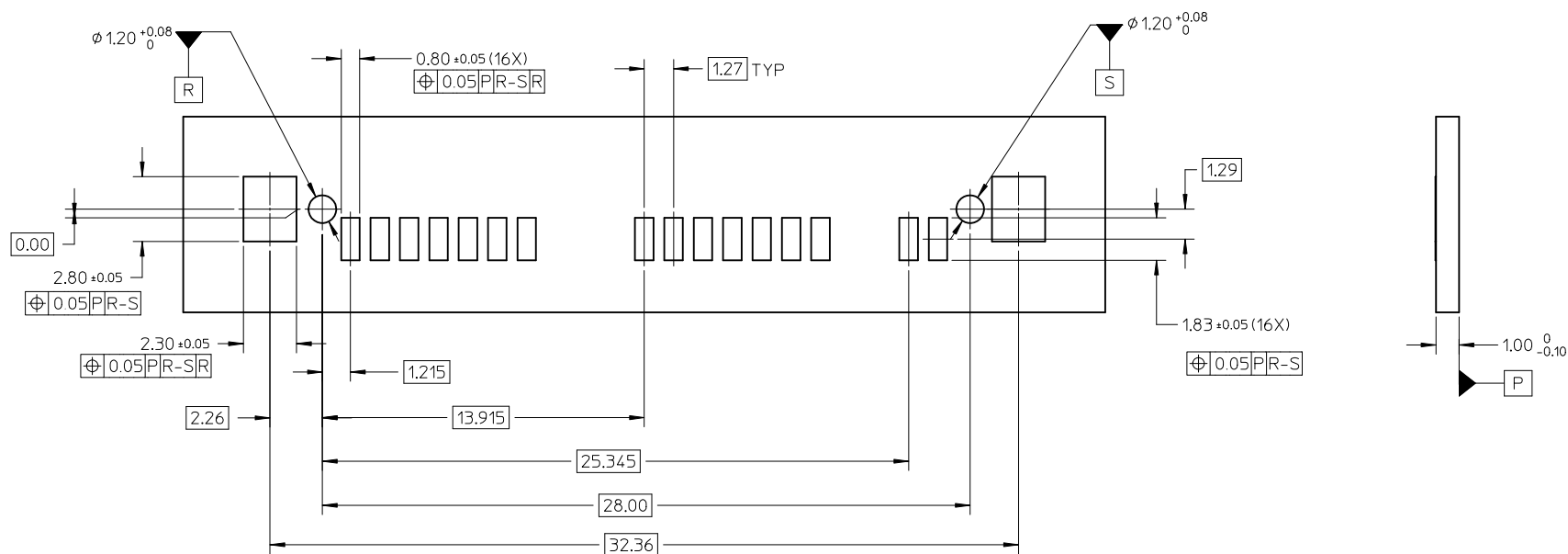
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10 9 8 7 6 5 4 3 2 1



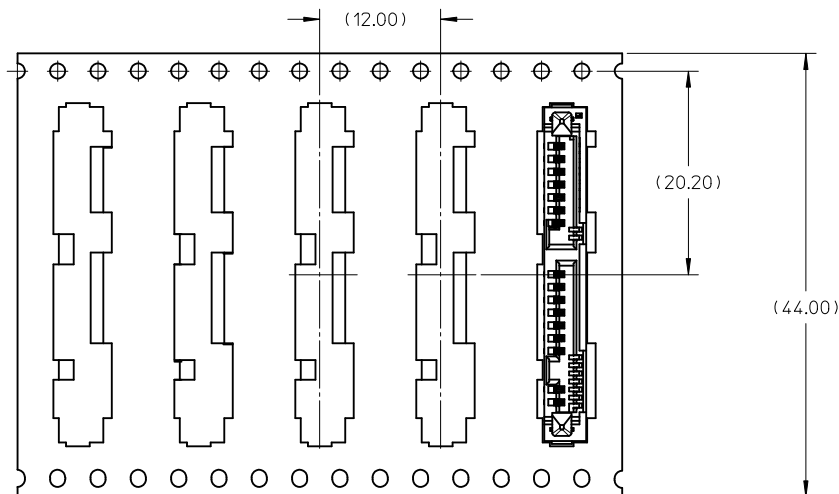
CHANGE PCS/REEL EC NO: S2010-0549 DRWN:WJAP CHKD:GMENARLY APPR:BOKOK A1	2010/01/08 2010/01/08 2010/01/08	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
						DRAWN BY DATE		TITLE MICRO SATA RECEPTACLE VERTICAL SMT 1.8 INCH SSD/HDD		
						GMENARLY 2009/04/06				
						CHECKED BY DATE				
						CGOH 2009/04/16				
						APPROVED BY DATE				
						BOKOK 2009/04/16				
		MATERIAL NO. 78500-0001		DOCUMENT NO. SD-78500-001		SHEET NO. 2 OF 4				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



RECOMMENDED PCB LAYOUT

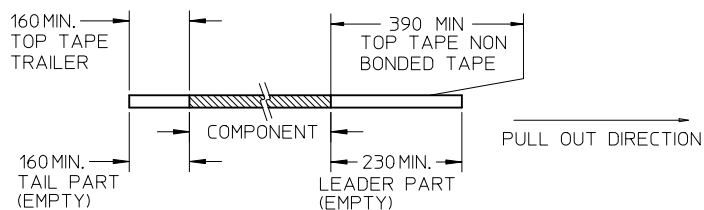
CHANGE PCS/REEL EC NO: S2010-0549 DRWN:WJAP CHKD:GMENARLY APPR:BOKOK				DESCRIPTION REV	QUALITY SYMBOLS FA=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH			DRAWN BY GMENARLY	DATE 2009/04/06	TITLE MICRO SATA RECEPTACLE VERTICAL SMT 1.8 INCH SSD/HDD MOLEX INCORPORATED				
		4 PLACES ± ---	± ---			CHECKED BY CGOH	DATE 2009/04/16					
		3 PLACES ± ---	± ---			APPROVED BY BOKOK	DATE 2009/04/16					
		2 PLACES ± 0.20	± ---									
A1		1 PLACE ± ---		ANGULAR ± 3 °		MATERIAL NO. 78500-0001		DOCUMENT NO. SD-78500-001		SHEET NO. 3 OF 4		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

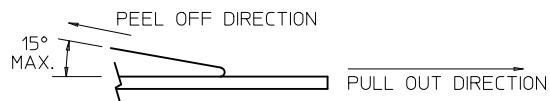


NOTES:

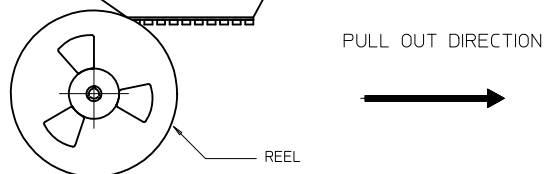
1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE AND REEL QUANTITY : 450 PCS/ REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.



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						DRAWN BY GMENARLY	DATE 2009/04/06	TITLE MICRO SATA RECEPTACLE VERTICAL SMT 1.8 INCH SSD/HDD MOLEX INCORPORATED			
						CHECKED BY CGOH	DATE 2009/04/16				
						APPROVED BY BOKOK	DATE 2009/04/16				
						DOCUMENT NO. SD-78500-001					SHEET NO. 4 OF 4
A1	REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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