

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473621002

Status:

Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Combo SATA Cable Connector, Straight Type, with Arris on both surface, with bumps, 0.38µm (15µ") Gold (Au), 22 Circuits, Lead Free

Documents:

3D Model

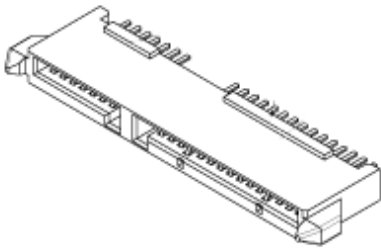
Drawing (PDF)

Product Specification PS-47362-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	I/O Connectors
Series	47362
Application	Wire-to-Board
Comments	Straight Type
Component Type	Receptacle
Overview	serial_ata_127_host_receptacles
Product Name	Serial ATA
Type	N/A

Physical	
Boot Color	N/A
Circuits (Loaded)	22
Circuits (maximum)	22
Circuits Detail	Signal 7, Power 15
Color - Resin	Black
Durability (mating cycles max)	50
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Straight
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Solder or Weld
Waterproof / Dustproof	No
Wire Size AWG	N/A



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

47362Series

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

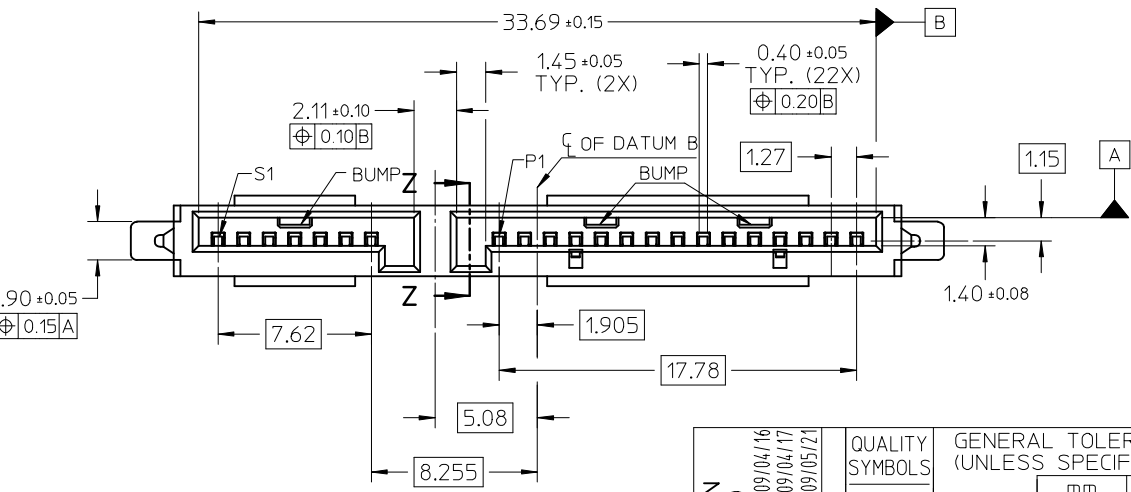
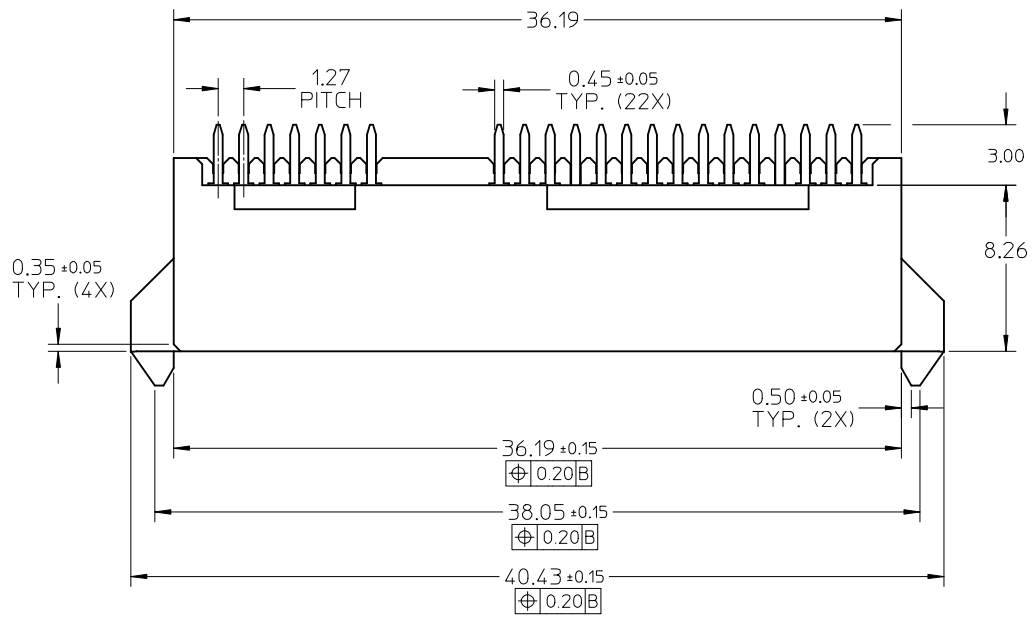
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47362-001
Product Specification	PS-47362-001
Sales Drawing	SD-47362-100

This document was generated on 06/01/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC, GLASS FILLED, UL94V-0, COLOR: BLACK.
TERMINAL: COPPER ALLOY, THICKNESS=0.25MM.

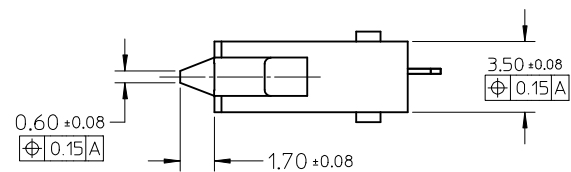
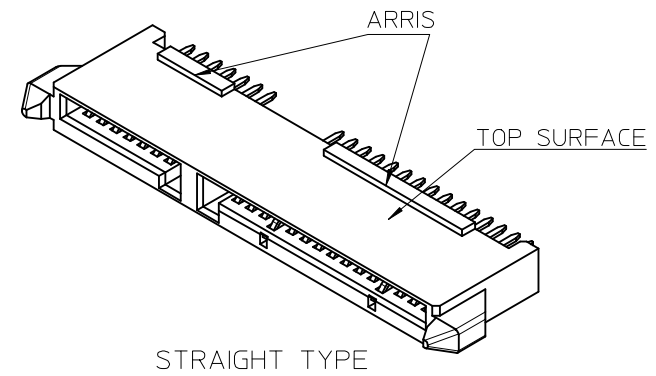
2. TERMINAL PLATING:

CONTACT AREA: GOLD PLATED, SEE TABLE.
SOLDER AREA: PURE TIN, THICKNESS=1.27 MICRONS MINIMUM.
UNDER PLATE: NICKLE, THICKNESS=1.27 MICRONS MINIMUM.

3. PRODUCT SPECIFICATION: REFER TO PS-47362-001.

4. PACKAGING METHOD: REFER TO PK-47362-001.

5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND
ELV DIRECTIVE 2000/53/EC



ADD NEW OPTION EC NO: SH2009-0500 DRWN: XJ SONG CHKD: XJ SONG APPR: HWANG REV	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END					
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05						
			3 PLACES	± ---	± ---	APPROVED BY GRATE		DATE 2005/12/05	MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---	MATERIAL NO.		DOCUMENT NO.					
			1 PLACE	± 0.25	± ---	SEE SHEET 4		SD-47362-100		1 OF 4			
			ANGULAR ± 3 °		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

F

E

D

C

B

A

F

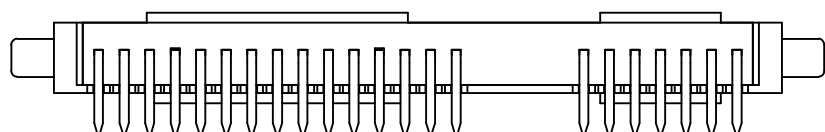
E

D

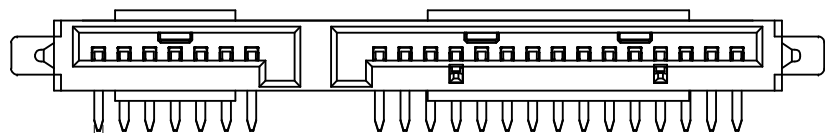
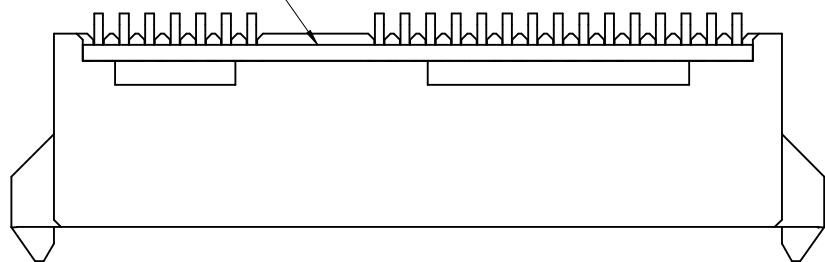
C

B

A

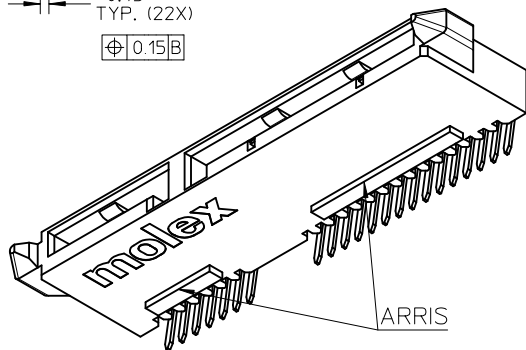


COVER



0,45 ±0,05
TYP. (22X)

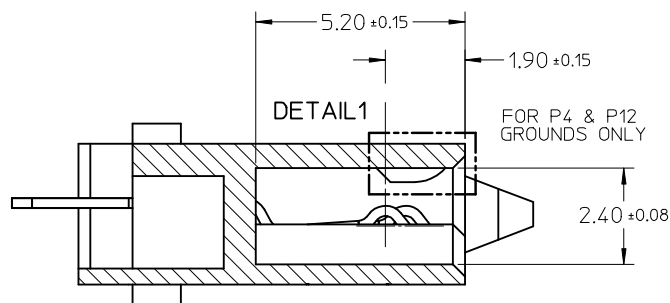
⌀ 0,15 B



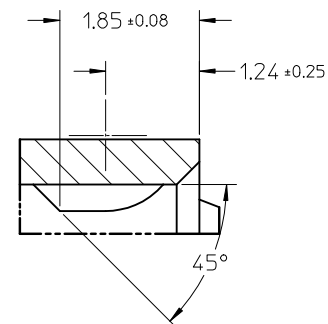
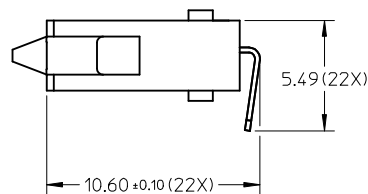
ARRIS

RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE

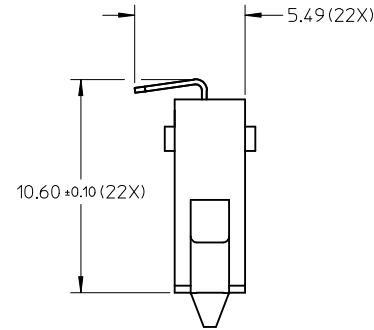
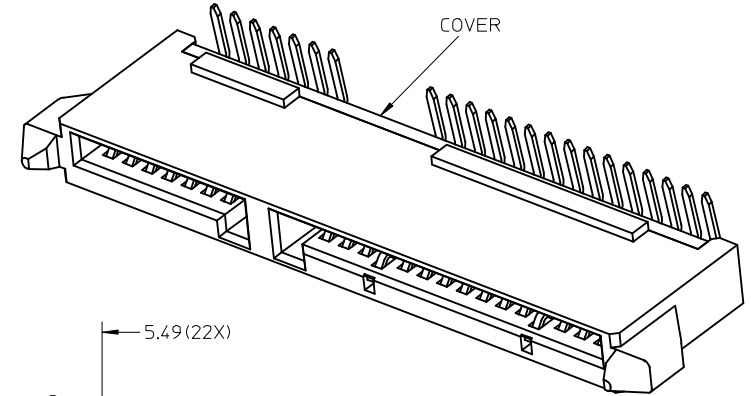
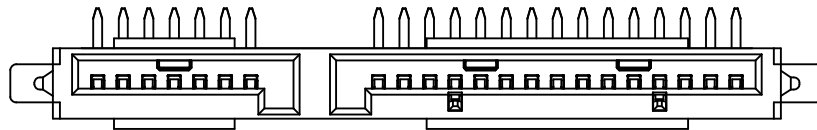
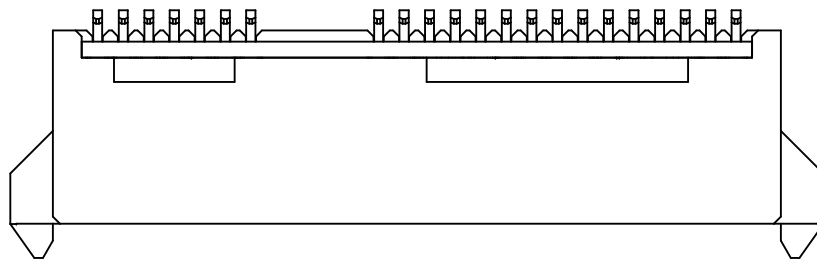
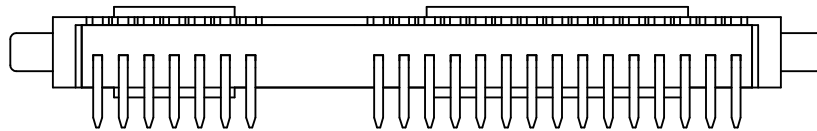


SECTION Z-Z



DETAIL1

SEE SHEET1 EC NO: SH2009-0500 DRWN:XJ.SONG 2009/04/16 CHKD:XJ.SONG 2009/04/17 APPR:HMWANG 2009/05/21	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± ---	DIXON	2005/12/05		
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE		
REV			1 PLACE	± 0.25	± ---	GRATE	2005/12/05	 MOLEX INCORPORATED	
			ANGULAR ± 3 °		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET4		SD-47362-100		2 OF 4
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



RIGHT ANGLE(270 DEGREE) TYPE
OTHER DIMENSIONS REFER TO RIGHT ANGLE(90 DEGREE) TYPE

SEE SHEET1 EC NO: SH2009-0500 DRWN:X JSONG CHKD:X JSONG APPR:HWANG	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
						DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END					
						CHECKED BY DIXON	DATE 2005/12/05						
						APPROVED BY GRATE	DATE 2005/12/05	MOLEX INCORPORATED					
						ANGULAR ± 3 °						MATERIAL NO.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET4		DOCUMENT NO. SD-47362-100		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			

	10	9	8	7	6	5	4	3	2	1																																																									
	P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A	P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A																																																											
F	47362-1000	GOLD FLASH			47362-3000	GOLD FLASH																																																													
	47362-1001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE		47362-3001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE																																																												
	47362-1002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																												
	47362-1010	GOLD FLASH			47362-3010	GOLD FLASH																																																													
	47362-1011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE		47362-3011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE																																																												
	47362-1012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																												
E	47362-1020	GOLD FLASH			47362-3020	GOLD FLASH																																																													
	47362-1021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE		47362-3021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE																																																												
	47362-1022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																												
	47362-1030	GOLD FLASH			47362-3030	GOLD FLASH																																																													
	47362-1031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS		47362-3031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS																																																												
	47362-1032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																												
D	47362-2000	GOLD FLASH																																																																	
	47362-2001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE																																																																
	47362-2002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																
	47362-2010	GOLD FLASH																																																																	
	47362-2011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE																																																																
	47362-2012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																
	47362-2020	GOLD FLASH																																																																	
	47362-2021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE																																																																
	47362-2022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																
C	47362-1003	GOLD PLATED 0.38 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE	STRAIGHT TYPE																																																															
	47362-1082	GOLD PLATED 0.38 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE	STRAIGHT TYPE																																																															
B																																																																			
A																																																																			
<table><tr><td rowspan="5">SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21</td><td rowspan="5">DESCRIPTION REV</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE 4:1</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY BCHEN26</td><td>DATE 2005/12/05</td><td colspan="3" rowspan="2">COMBO SATA RECEPTACLE CABLE END</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY DIXON</td><td>DATE 2005/12/05</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY GRATE</td><td>DATE 2005/12/05</td><td colspan="3" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td><td>SHEET NO.</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-47362-100</td><td>4 OF 4</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE A3</td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>											SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	COMBO SATA RECEPTACLE CABLE END			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05	3 PLACES	± ---	± ---	APPROVED BY GRATE	DATE 2005/12/05	MOLEX INCORPORATED			2 PLACES	± 0.2	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	1 PLACE	± 0.25	± ---	SEE TABLE		SD-47362-100		4 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						
SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																										
				mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	COMBO SATA RECEPTACLE CABLE END																																																											
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05																																																												
			3 PLACES	± ---	± ---	APPROVED BY GRATE	DATE 2005/12/05	MOLEX INCORPORATED																																																											
			2 PLACES	± 0.2	± ---	MATERIAL NO.	DOCUMENT NO.				SHEET NO.																																																								
1 PLACE	± 0.25	± ---	SEE TABLE		SD-47362-100		4 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																																																															
fb_frame_A3_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1																																																										



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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.