

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674921121

Status:

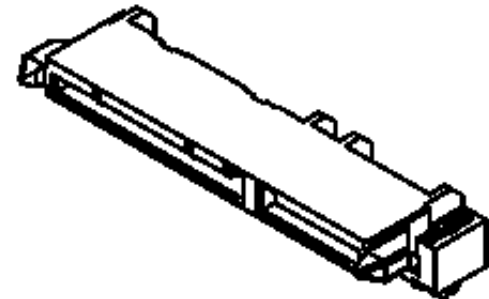
Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 3.55mm (.140"), 0.76µm (30µ") Gold (Au) Plating, Tray Packaging, 22 Circuits, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-67492-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	67492
Application	Board-to-Board
Overview	serial_ata_127_host_receptacles
Product Name	Serial ATA

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Guide to Mating Part	Yes
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	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 mm
Packaging Type	Tray
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)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

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

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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
67492Series

Mates With
87703 , 87672 Serial ATA Plugs

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	230

Material Info

Reference - Drawing Numbers

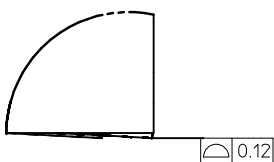
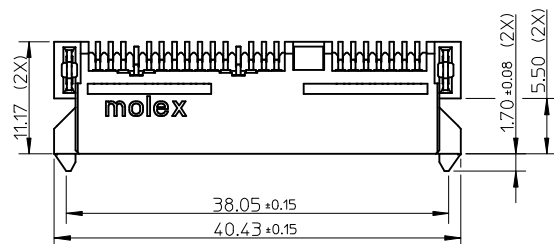
Packaging Specification	PK-67492-001
Product Specification	PS-67492-001
Sales Drawing	SD-67492-001

This document was generated on 05/31/2010

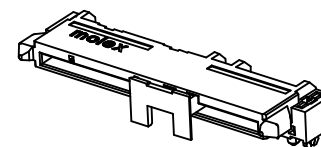
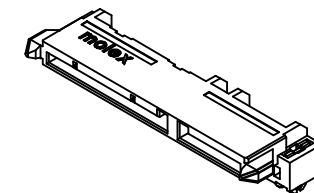
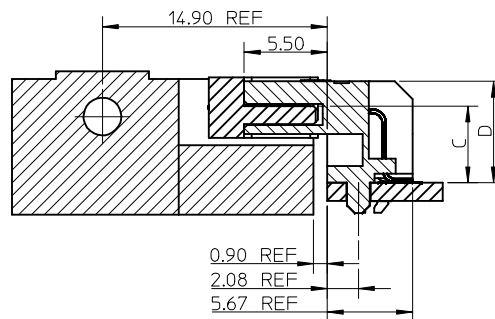
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

F

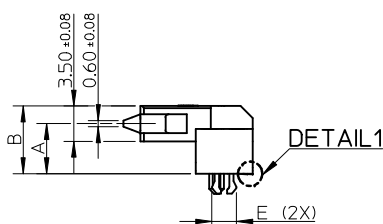
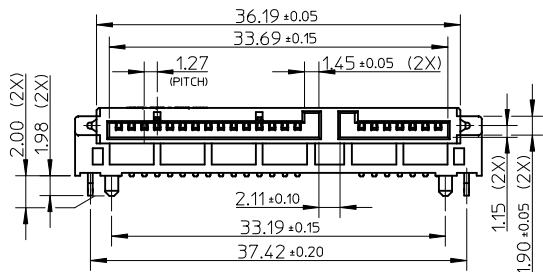


DETAIL1



67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

E



NOTES:

1. MATERIAL:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0, COLOR: BLACK;
TERMINAL: COPPER ALLOY;
FORKLOCK: COPPER ALLOY.

2. TERMINAL PLATING:

CONTACT AREA:

(A) GOLD FLASH,
(B) GOLD, THICKNESS=0.76 MICRONS MINIMUM,
(C) GOLD, THICKNESS=0.38 MICRONS MINIMUM,
SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.

3. FORKLOCK PLATING:

SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.

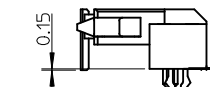
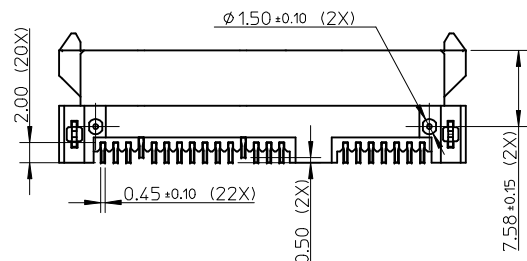
4. PRODUCT SPECIFICATION: REFER TO PS-67492-001.

5. PACKAGING METHOD: TRAY, USE DRYER IN HDPE BAGE TO PREVENT BLISTER.

6. MATING PARTS: 87703/87672.

7. PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

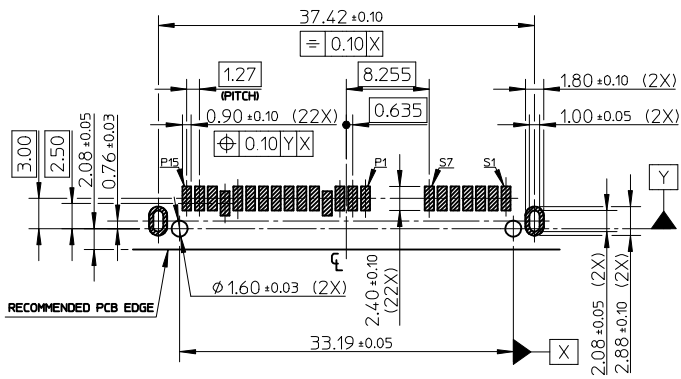
D



67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

OTHER DIMENSION PER OTHER VIEW

C



RECOMMENDED P.C.B. LAYOUT (THICKNESS=1.2mm)
CONNECTOR SIDE

ADD PART NUMBER EC NO: 2009/07/29 DRWN:XQZHANG 2009/08/07 CHKD:GLI 2009/09/03 APPR:XJ.SONG REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GRATE MA	DATE 2003/10/10	TITLE SATA HOST RECEPTACLE R/A SMT TYPE				
			4 PLACES	± ---	± ---	CHECKED BY YAJUN	DATE 2003/10/10					
			3 PLACES	± ---	± ---	APPROVED BY SAM		DATE 2003/10/10	MOLEX INCORPORATED DOCUMENT NO. SD-67492-001			
			2 PLACES	± 0.15	± ---							
			1 PLACE	± 0.25	± ---	SHEET NO. 1 OF 2						
			ANGULAR ± 3 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE SHEET 2						
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

F

E

D

C

B

A

	10	9	8	7	6	5	4	3	2	1																																																																																																																											
F	<table><tr><td>P/N</td><td>PLATING</td><td>DIM'A'</td><td>DIM'B'</td><td>DIM'C'</td><td>DIM'D'</td><td>DIM'E'</td><td>REMARK</td></tr><tr><td>67492-1420</td><td>NOTES 2 (A)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.45±0.10</td><td rowspan="12">TRAY PACKAGE PK-67492-001</td></tr><tr><td>67492-1421</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1422</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1320</td><td>NOTES 2 (A)</td><td rowspan="3">3.50</td><td rowspan="3">5.25</td><td rowspan="3">3.60</td><td rowspan="3">5.25</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1321</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1322</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1120</td><td>NOTES 2 (A)</td><td rowspan="3">1.80</td><td rowspan="3">3.55</td><td rowspan="3">1.90</td><td rowspan="3">3.55</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1121</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1122</td><td>NOTES 2 (C)</td></tr><tr><td>67492-9220</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-9221</td><td>NOTES 2 (B)</td></tr><tr><td>67492-9222</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1220</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.45±0.10</td><td rowspan="3">TAPE&REEL PACKAGE PK-67492-002</td></tr><tr><td>67492-1221</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1222</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1224</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.33±0.05</td><td rowspan="3">TAPE&REEL PACKAGE WITH CAP PK-67492-002</td></tr><tr><td>67492-1225</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1226</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1430</td><td>NOTES 2 (A)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.45±0.10</td><td rowspan="17">TAPE&REEL PACKAGE WITH CAP PK-67492-008</td></tr><tr><td>67492-1431</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1432</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1325</td><td>NOTES 2 (A)</td><td rowspan="3">3.50</td><td rowspan="3">5.25</td><td rowspan="3">3.60</td><td rowspan="3">5.25</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1326</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1327</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1440</td><td>NOTES 2 (B)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.33±0.05</td></tr><tr><td>67492-1441</td><td>NOTES 2 (A)</td></tr><tr><td>67492-1442</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1450</td><td>NOTES 2 (A)</td><td rowspan="3">4.10</td><td rowspan="3">5.85</td><td rowspan="3">4.20</td><td rowspan="3">5.85</td><td rowspan="3">2.33±0.05</td></tr><tr><td>67492-1451</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1452</td><td>NOTES 2 (C)</td></tr></table>										P/N	PLATING	DIM'A'	DIM'B'	DIM'C'	DIM'D'	DIM'E'	REMARK	67492-1420	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TRAY PACKAGE PK-67492-001	67492-1421	NOTES 2 (B)	67492-1422	NOTES 2 (C)	67492-1320	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	67492-1321	NOTES 2 (B)	67492-1322	NOTES 2 (C)	67492-1120	NOTES 2 (A)	1.80	3.55	1.90	3.55	2.45±0.10	67492-1121	NOTES 2 (B)	67492-1122	NOTES 2 (C)	67492-9220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	67492-9221	NOTES 2 (B)	67492-9222	NOTES 2 (C)	67492-1220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	TAPE&REEL PACKAGE PK-67492-002	67492-1221	NOTES 2 (B)	67492-1222	NOTES 2 (C)	67492-1224	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.33±0.05	TAPE&REEL PACKAGE WITH CAP PK-67492-002	67492-1225	NOTES 2 (B)	67492-1226	NOTES 2 (C)	67492-1430	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TAPE&REEL PACKAGE WITH CAP PK-67492-008	67492-1431	NOTES 2 (B)	67492-1432	NOTES 2 (C)	67492-1325	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	67492-1326	NOTES 2 (B)	67492-1327	NOTES 2 (C)	67492-1440	NOTES 2 (B)	4.15	5.90	4.25	5.90	2.33±0.05	67492-1441	NOTES 2 (A)	67492-1442	NOTES 2 (C)	67492-1450	NOTES 2 (A)	4.10	5.85	4.20	5.85	2.33±0.05	67492-1451	NOTES 2 (B)	67492-1452	NOTES 2 (C)	F
P/N	PLATING	DIM'A'	DIM'B'	DIM'C'	DIM'D'	DIM'E'	REMARK																																																																																																																														
67492-1420	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TRAY PACKAGE PK-67492-001																																																																																																																														
67492-1421	NOTES 2 (B)																																																																																																																																				
67492-1422	NOTES 2 (C)																																																																																																																																				
67492-1320	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10																																																																																																																															
67492-1321	NOTES 2 (B)																																																																																																																																				
67492-1322	NOTES 2 (C)																																																																																																																																				
67492-1120	NOTES 2 (A)	1.80	3.55	1.90	3.55	2.45±0.10																																																																																																																															
67492-1121	NOTES 2 (B)																																																																																																																																				
67492-1122	NOTES 2 (C)																																																																																																																																				
67492-9220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10																																																																																																																															
67492-9221	NOTES 2 (B)																																																																																																																																				
67492-9222	NOTES 2 (C)																																																																																																																																				
67492-1220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	TAPE&REEL PACKAGE PK-67492-002																																																																																																																														
67492-1221	NOTES 2 (B)																																																																																																																																				
67492-1222	NOTES 2 (C)																																																																																																																																				
67492-1224	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.33±0.05	TAPE&REEL PACKAGE WITH CAP PK-67492-002																																																																																																																														
67492-1225	NOTES 2 (B)																																																																																																																																				
67492-1226	NOTES 2 (C)																																																																																																																																				
67492-1430	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TAPE&REEL PACKAGE WITH CAP PK-67492-008																																																																																																																														
67492-1431	NOTES 2 (B)																																																																																																																																				
67492-1432	NOTES 2 (C)																																																																																																																																				
67492-1325	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10																																																																																																																															
67492-1326	NOTES 2 (B)																																																																																																																																				
67492-1327	NOTES 2 (C)																																																																																																																																				
67492-1440	NOTES 2 (B)	4.15	5.90	4.25	5.90	2.33±0.05																																																																																																																															
67492-1441	NOTES 2 (A)																																																																																																																																				
67492-1442	NOTES 2 (C)																																																																																																																																				
67492-1450	NOTES 2 (A)	4.10	5.85	4.20	5.85	2.33±0.05																																																																																																																															
67492-1451	NOTES 2 (B)																																																																																																																																				
67492-1452	NOTES 2 (C)																																																																																																																																				
E											E																																																																																																																										
D											D																																																																																																																										
C											C																																																																																																																										
B											B																																																																																																																										
A	<table><tr><td rowspan="5">ADD PART NUMBER EC NO: DRWN:XQZHANG CHKD:GLI APPR:XJSONG K</td><td rowspan="7">2009/07/29 2009/08/07 2009/09/03 DESCRIPTION REV</td><td rowspan="7">QUALITY SYMBOLS ▼=0 ◻=0</td><td colspan="2" rowspan="5">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE 1:1</td><td>DESIGN UNITS METRIC</td><td rowspan="2"> THIRD ANGLE PROJECTION</td><td rowspan="3">SATA HOST RECEPTACLE R/A SMT TYPE</td></tr><tr><td colspan="2"></td><td></td><td></td></tr><tr><td colspan="2">4 PLACES ± --- ± ---</td><td>DRAWN BY GRATE MA</td><td>DATE 2003/10/10</td><td colspan="2">TITLE</td></tr><tr><td colspan="2">3 PLACES ± --- ± ---</td><td>CHECKED BY</td><td>DATE</td><td colspan="2"></td></tr><tr><td colspan="2">2 PLACES ± 0.15 ± ---</td><td>YAJUN</td><td>2003/10/10</td><td colspan="2"></td></tr><tr><td colspan="2">1 PLACE ± 0.25 ± ---</td><td>APPROVED BY SAM</td><td>DATE 2003/10/10</td><td colspan="2"></td></tr><tr><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-67492-001</td><td colspan="2">2 OF 2</td></tr><tr><td colspan="2">SIZE A3</td><td colspan="8">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>										ADD PART NUMBER EC NO: DRWN:XQZHANG CHKD:GLI APPR:XJSONG K	2009/07/29 2009/08/07 2009/09/03 DESCRIPTION REV	QUALITY SYMBOLS ▼=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	SATA HOST RECEPTACLE R/A SMT TYPE					4 PLACES ± --- ± ---		DRAWN BY GRATE MA	DATE 2003/10/10	TITLE		3 PLACES ± --- ± ---		CHECKED BY	DATE			2 PLACES ± 0.15 ± ---		YAJUN	2003/10/10			1 PLACE ± 0.25 ± ---		APPROVED BY SAM	DATE 2003/10/10			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-67492-001		2 OF 2		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								A																																																									
ADD PART NUMBER EC NO: DRWN:XQZHANG CHKD:GLI APPR:XJSONG K	2009/07/29 2009/08/07 2009/09/03 DESCRIPTION REV	QUALITY SYMBOLS ▼=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	SATA HOST RECEPTACLE R/A SMT TYPE																																																																																																																											
					4 PLACES ± --- ± ---		DRAWN BY GRATE MA	DATE 2003/10/10	TITLE																																																																																																																												
					3 PLACES ± --- ± ---		CHECKED BY	DATE																																																																																																																													
					2 PLACES ± 0.15 ± ---		YAJUN	2003/10/10																																																																																																																													
1 PLACE ± 0.25 ± ---			APPROVED BY SAM	DATE 2003/10/10																																																																																																																																	
ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.																																																																																																																														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-67492-001		2 OF 2																																																																																																																															
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																																																																																																																											

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru