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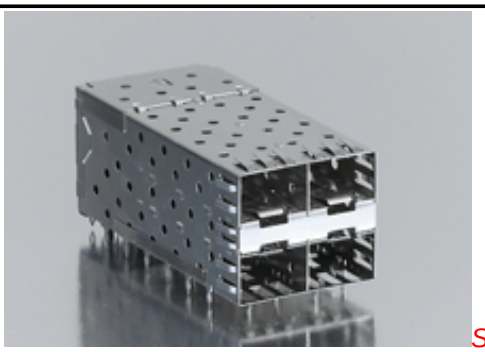
Part Number: 0757595001
Status: Active
Overview: sfp_stacked_connectors
Description: Small Form-factor Pluggable (SFP) Stacked 2-by-2 Multi-Port Connector with Press-fit PC Tails, 80 Circuits, Lead Free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Application Specification (PDF)
Product Specification PS-75310-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	75759
Application	Module-to-Board
Component Type	Receptacle
Overview	sfp_stacked_connectors
Product Name	SFP
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.081 In
PC Tail Length (mm)	2.07 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.092 In
PCB Thickness Recommended (mm)	2.36 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Pitch - Term. Interface (in)	0.031 In
Pitch - Term. Interface (mm)	0.80 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	30.4
Plating min: Termination (µm)	0.76
Polarized to Mating Part	Yes

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
75759Series

Use With
0759510999 SFP Dust Plug,

Application Tooling | **FAQ**

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
SFP Stacked Multi-Port Insertion Tool, 2 by 2	0622029970
SFP Stacked Multi-Port Extraction Tool, 2 by 2	0622029975

Polarized to PCB	Yes
Ports	4
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

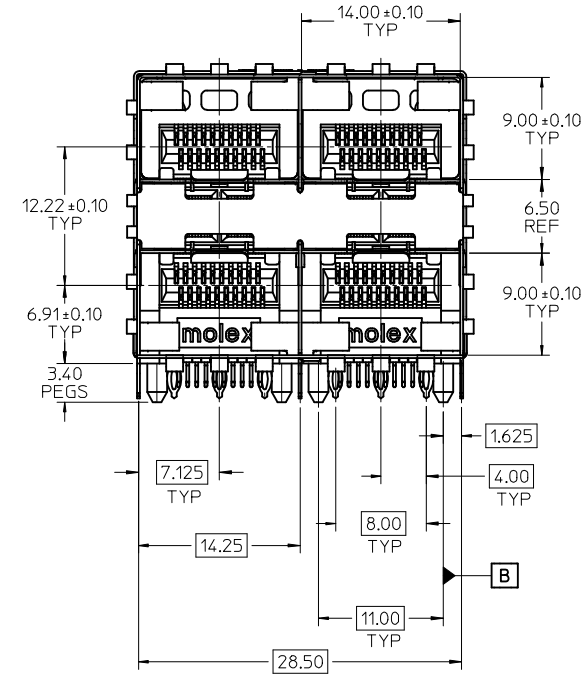
Electrical

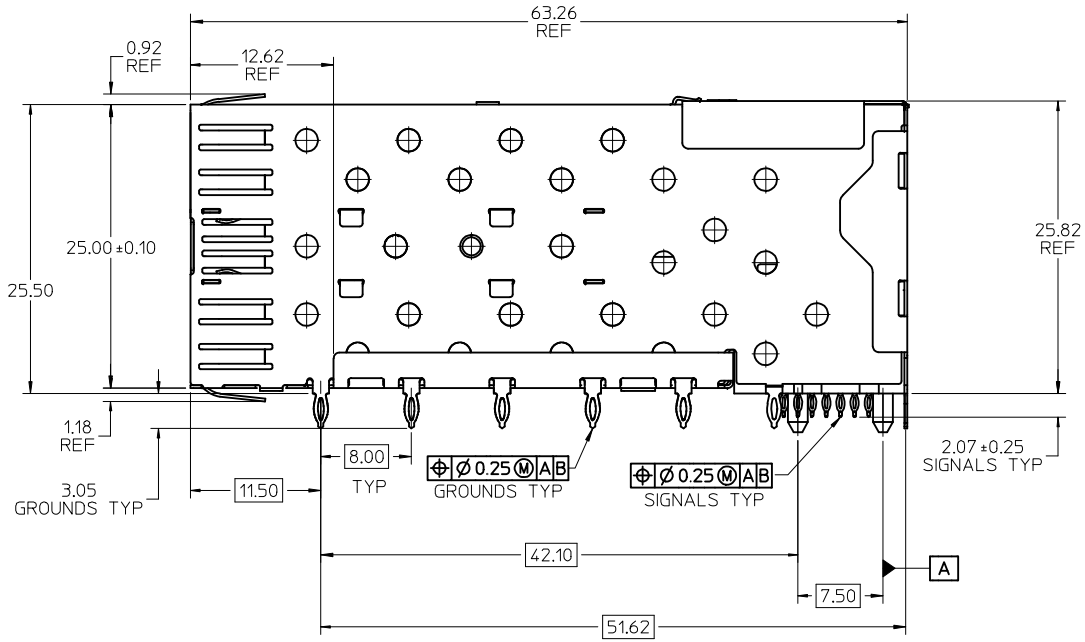
Current - Maximum per Contact	0.5A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

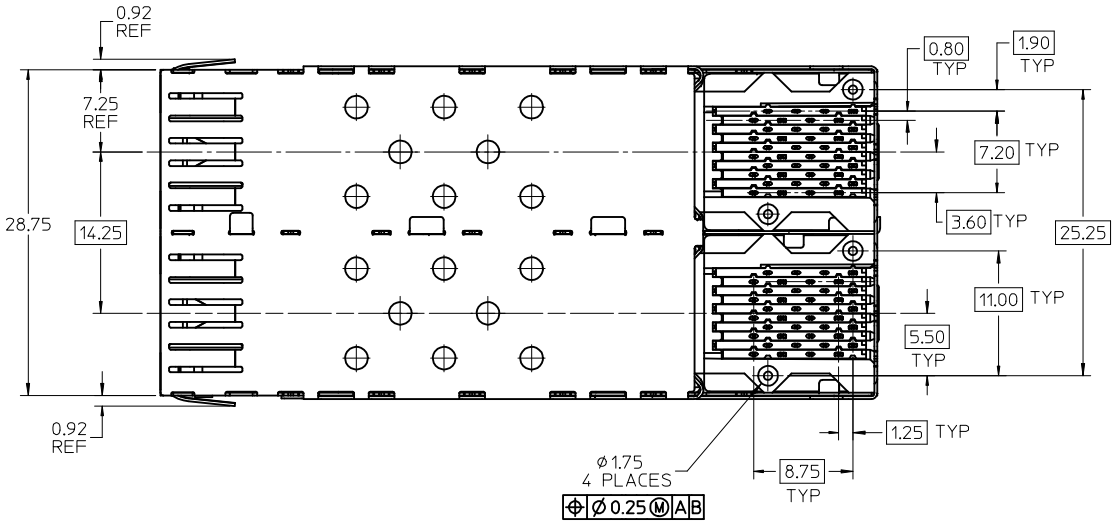
Material Info

Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75714-001
Product Specification	PS-75310-001
Sales Drawing	SD-75759-001







NOTES:

1. MATERIAL:
   CAGE: NICKEL SILVER, THICKNESS: 0.25mm
   CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0
   COLOR: BLACK
   OVERMOLDED TERMINAL HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
   TERMINALS: TIN BRASS
   LIGHT PIPES: POLYCARBONITE, 94 V-0, COLOR: CLEAR
   LIGHT PIPE HOUSING: ZINC
2. FINISH:
   LIGHT PIPE HOUSING: 150 MICROMETERS NICKEL OVER 150 MICROMETERS COPPER
   TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS NICKEL.
   COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICROMETERS 90/10 TIN/LEAD OVER 0.76 - 1.52 MICROMETERS NICKEL
   COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICROMETERS TIN OVER 0.76 - 1.52 MICROMETERS NICKEL
3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
4. LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE, FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.
5. REFER TO PK-75714-001 FOR ALL PACKAGING SPECIFICATIONS.
6. THE CURVED TAILS THAT GO INTO THE HOLES LOCATED BY THESE DIMENSIONS ARE BEING ELIMINATED. TO ACCOMMODATE THIS CONVERSION, IT IS RECOMMENDED THAT BOARDS DESIGNED TO THIS PRINT REVISION INCLUDE THESE HOLES.
7. PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SHEET 3 SECTION Z-Z FOR SURFACE CLASSIFICATIONS. UNDERSIDE OF CAGE COMPLIES WITH CLASS "C".

MATERIAL NO.	TERMINAL PLATING
757595001	TIN
757590001	TIN / LEAD

ADD KEEP OUT ZONES
EC NO: UCP2010-0369 6/9/09
DRWN:MS BARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER
DESCRIPTION
E
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	JLONG	01-28-2005
CHECKED BY	JLONG	01-28-2005
APPROVED BY	RNELSON	02-15-2005
MATERIAL NO.	SEE TABLE	

TITLE: STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES

MOLEX INCORPORATED

DOCUMENT NO. SD-75759-001
SHEET NO. 1 OF 3

SIZE C

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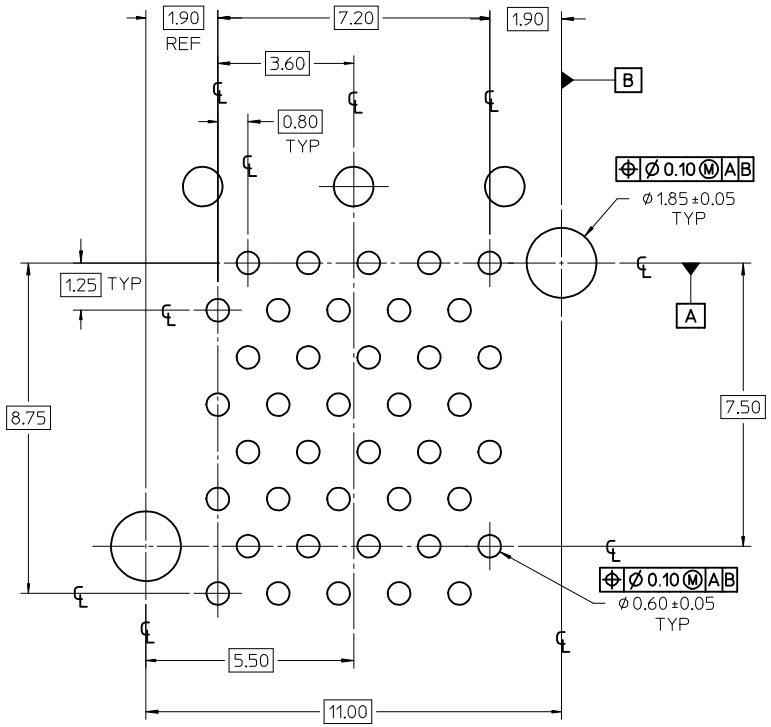
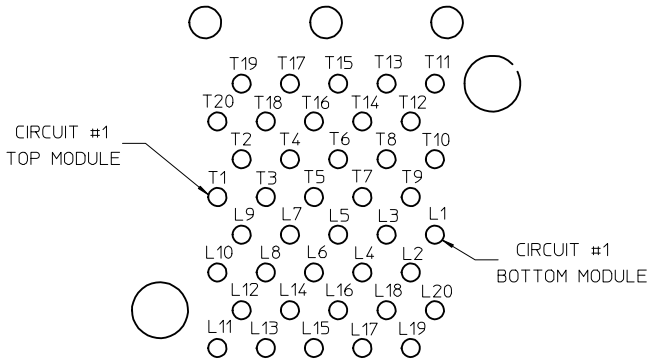
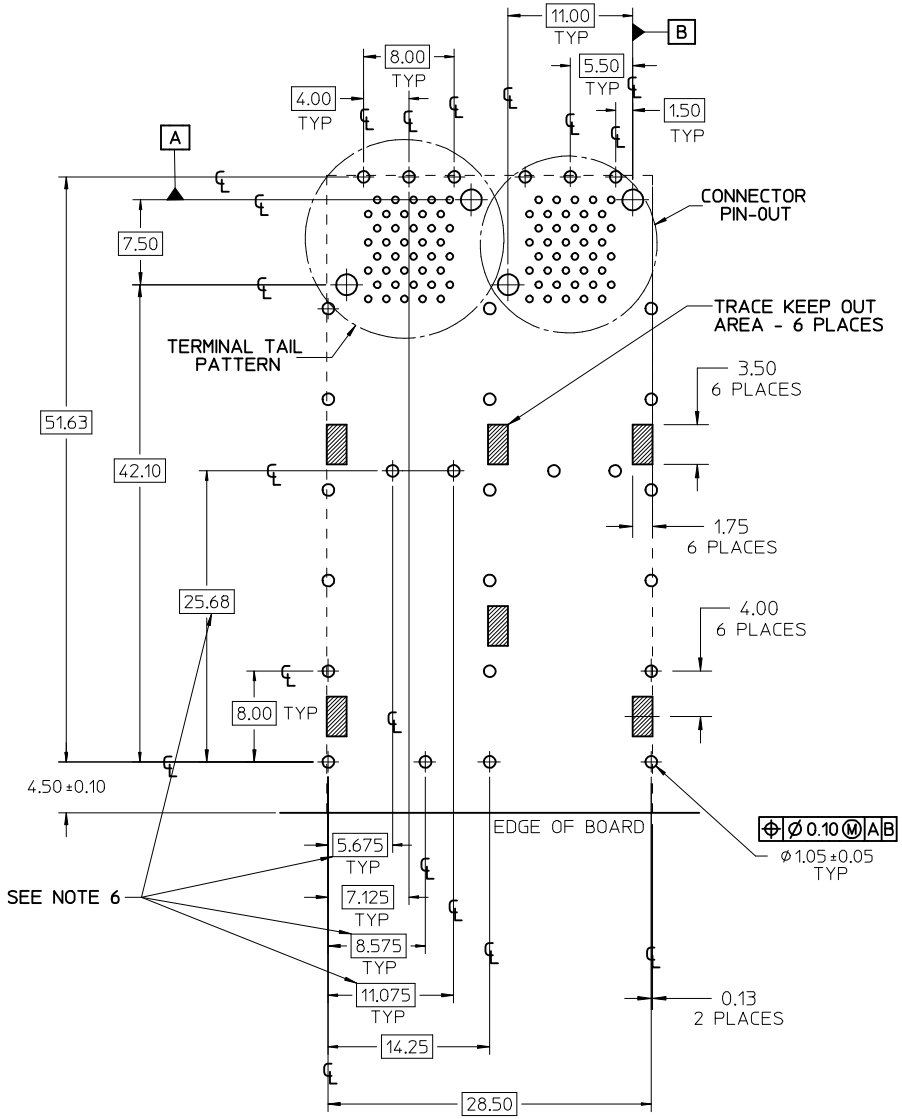


TERMINAL TAIL PATTERN
SCALE 10:1



CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD



RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
THIS AREA IS INDICATED BY THE DASHED LINE

ADD KEEP OUT ZONES
EC NO: UCP2010-0369 6/9/09
DRWN:MSIBARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
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Ⓒ▽=0

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ANGULAR ± 5 °		

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DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	JLONG 01-28-2005
CHECKED BY / DATE	JLONG 01-28-2005
APPROVED BY / DATE	RNELSON 02-15-2005
MATERIAL NO.	SEE TABLE
TITLE	STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES
	molex MOLEX INCORPORATED
DOCUMENT NO.	SD-75759-001
SHEET NO.	2 OF 3
SIZE	C

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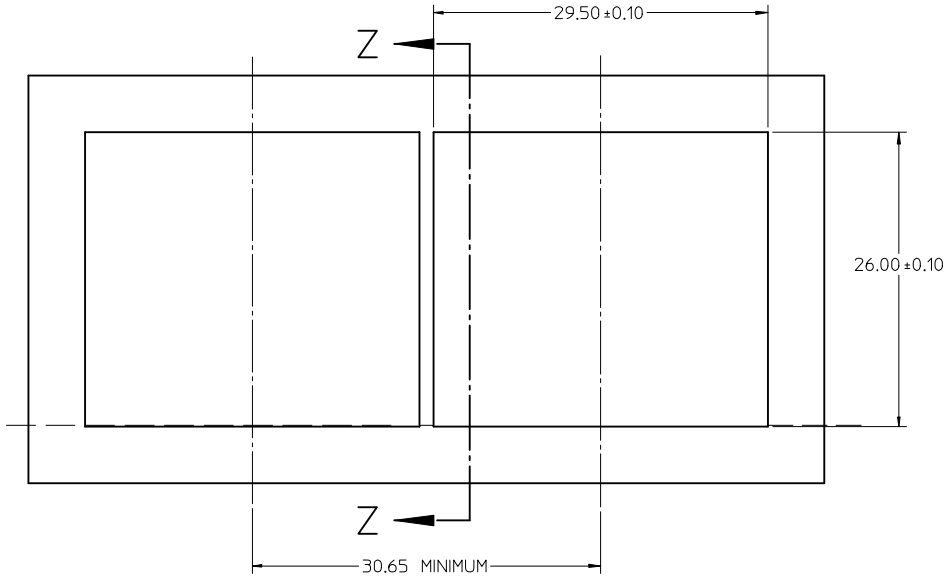
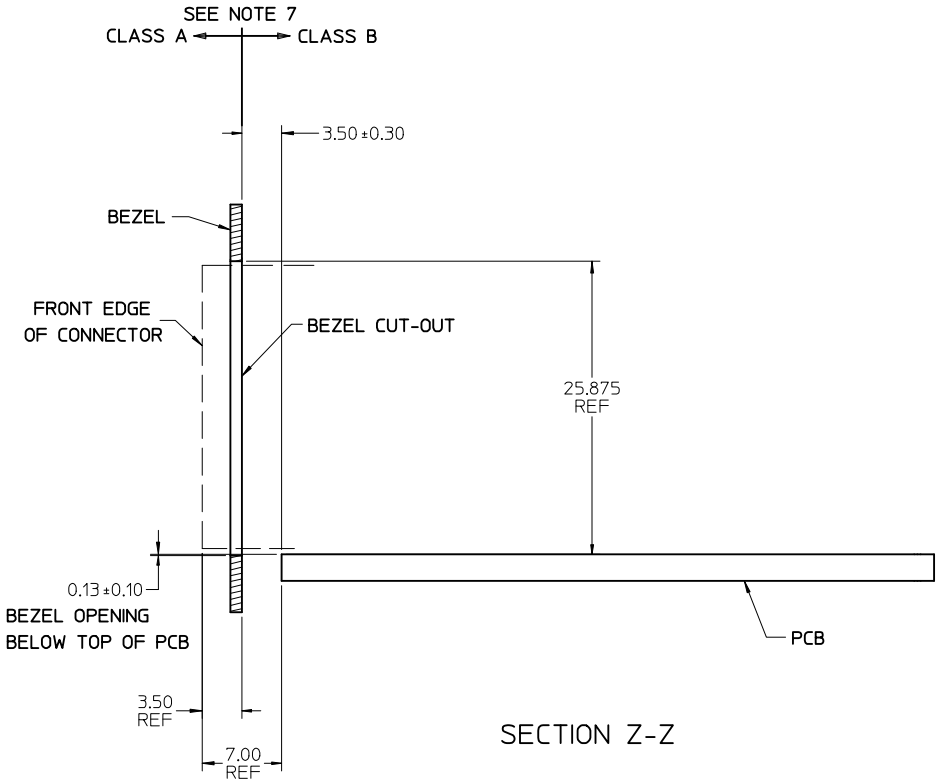


BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS: 0.8 - 2.6



SECTION Z-Z

SEE SHEET 1
EC NO: UCP2010-0369 6/9/09
DRWN:MS|BARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER 2009/08/27
DESCRIPTION
REV

QUALITY SYMBOLS
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MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-75759-001
SHEET NO.: 3 OF 3
SIZE: C

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

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