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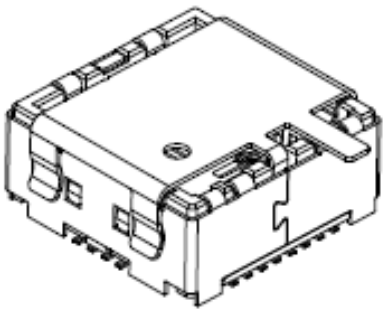
This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0784990001

Status: Active

Description: Camera Socket for Mobile Phone, SMT, Bottom Contact, 6.5x6.5 Camera Module, with Pick-and-Place Cap



Series image - Reference only

Documents:

Drawing (PDF)
Product Specification PS-78499-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Other Sockets
Series	78499
Comments	With Cap
Component Type	Socket
Product Name	Camera Socket

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	5
Entry Angle	Vertical (Top Entry)
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.024 In
Pitch - Mating Interface (mm)	0.60 mm
Pitch - Term. Interface (in)	0.024 In
Pitch - Term. Interface (mm)	0.60 mm
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.3
Plating min: Termination (µin)	0.8
Plating min: Termination (µm)	0.020
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	.5A
Voltage - Maximum	50V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	10
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-78499-001
Product Specification	PS-78499-001
Sales Drawing	SD-78499-001

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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.

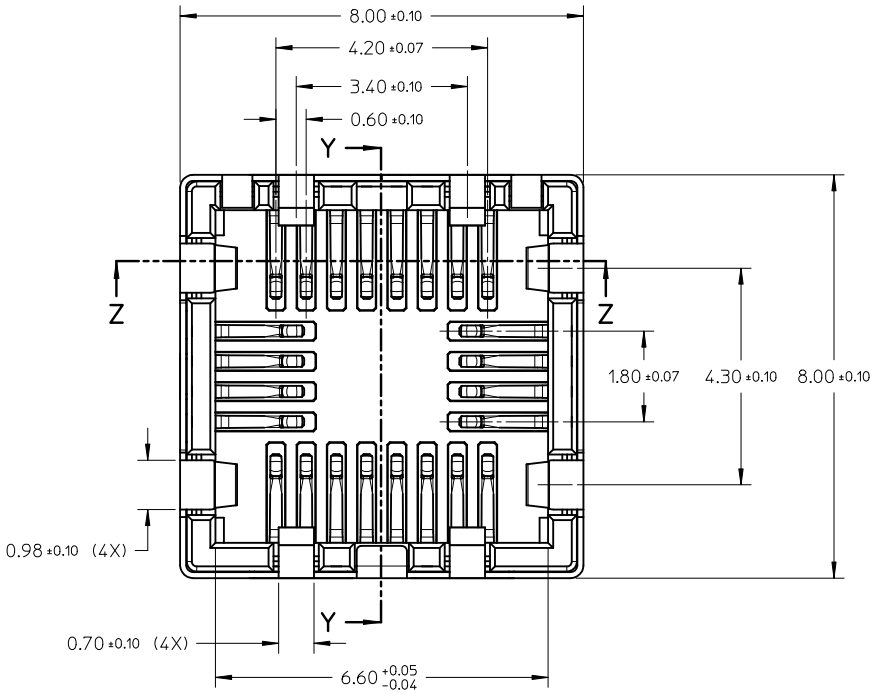
Search Parts in this Series
78499Series

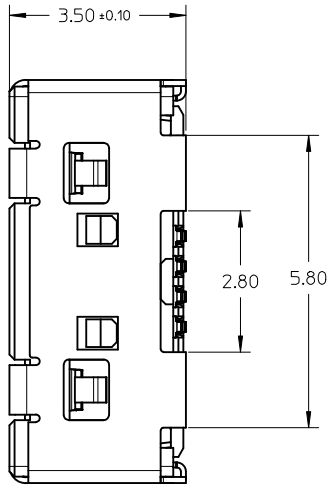
Mates With
Camera Module

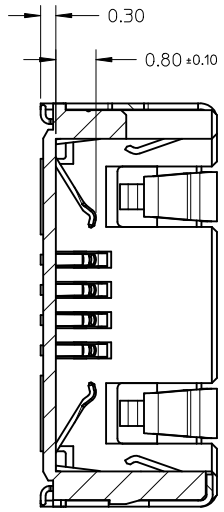
Use With
78499-0501 Cap

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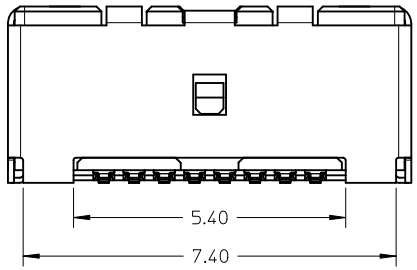
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

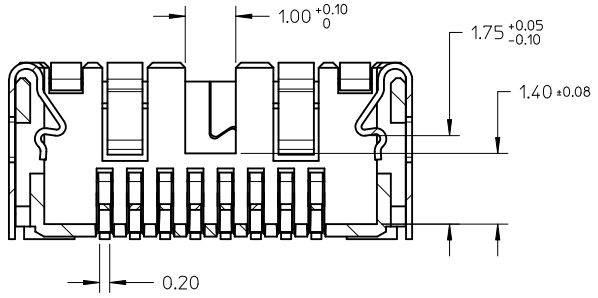






SECTION Y-Y





SECTION Z-Z

NOTES:
1. MATERIALS
   HOUSING: HIGH TEMPERATURE PLASTIC, BLACK
   TERMINAL: COPPER ALLOY.
   SHIELD : COPPER ALLOY.
2. FINISHES
   SHIELD : SOLDERABLE NICKEL PLATING OVERALL
   TERMINAL: NICKEL UNDERPLATING 1.0 MICROMETER MIN OVERALL
   GOLD PLATING 0.3 MICROMETER MIN ON CONTACT AREA
   GOLD PLATING 0.02 MICROMETER MIN ON SOLDERTAIL
3. PRODUCT SPECIFICATION : PS-78499-001
4. PACKAGING : TAPE AND REEL. REFER TO PK-78499-001
5. OVERALL COPLANARITY TO BE 0.10 MM MAX

CORRECT GEN TOL
EC NO: S2010-0926 2010/04/23
DRWN:DWLEE01 2009/06/30
CH'KD:CGTAN 2010/05/21
APPR:SHLENI
DESCRIPTION
REV
A2

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

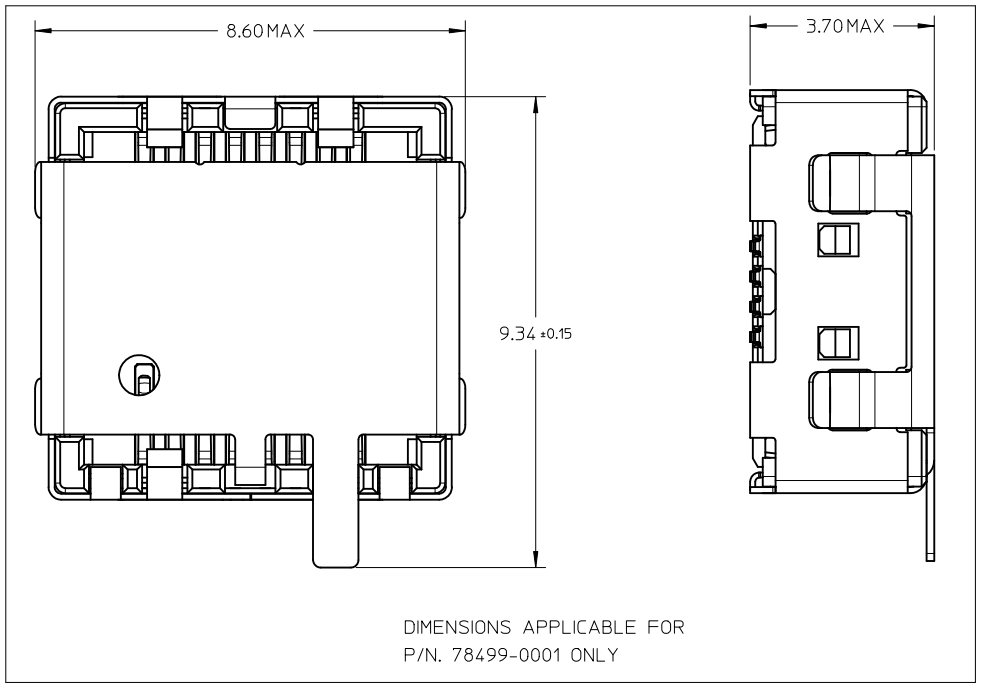
DRAWN BY: CMTEO DATE: 2009/03/31
CHECKED BY: CGTAN DATE: 2009/06/30
APPROVED BY: SHLENI DATE: 2010/05/21

TITLE: 6.5*6.5 CAMERA SOCKET SMT BOTTOM CONTACT TYPE

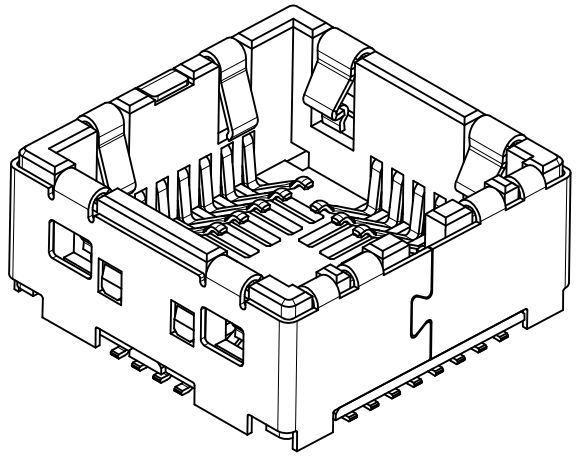
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78499-001
SHEET NO.: 1 OF 4
SIZE: A3

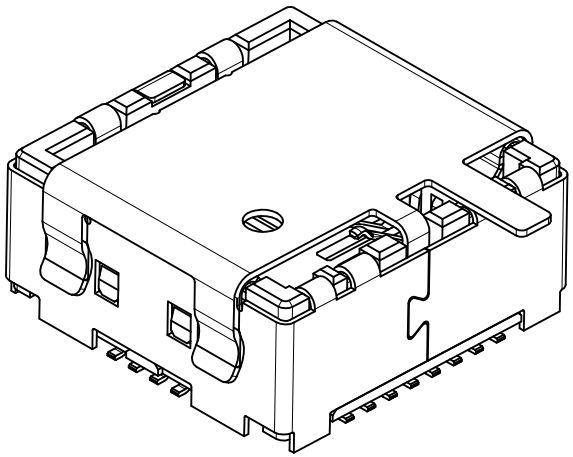
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DIMENSIONS APPLICABLE FOR
P/N. 78499-0001 ONLY



ISOMETRIC VIEW
P/N:78499-0002
WITHOUT PICK AND PLACE CAP



ISOMETRIC VIEW
P/N: 78499-0001
WITH PICK AND PLACE CAP

PART NO.	CAP CONFIGURATION	PACKAGING
78499-0001	WITH PICK AND PLACE CAP	TAPE AND REEL
78499-0002	WITHOUT PICK AND PLACE CAP	

CORRECT GEN TOL
EC NO: S2010-0926 2010/04/23
DRWN:DWLEE01 2009/06/30
CH'KD:CGTAN 2010/05/21
APPR:SHLENI
DESCRIPTION
REV

A2

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: CMTEO DATE: 2009/03/31
CHECKED BY: CGTAN DATE: 2009/06/30
APPROVED BY: SHLENI DATE: 2010/05/21

TITLE: 6.5*6.5 CAMERA SOCKET SMT BOTTOM CONTACT TYPE

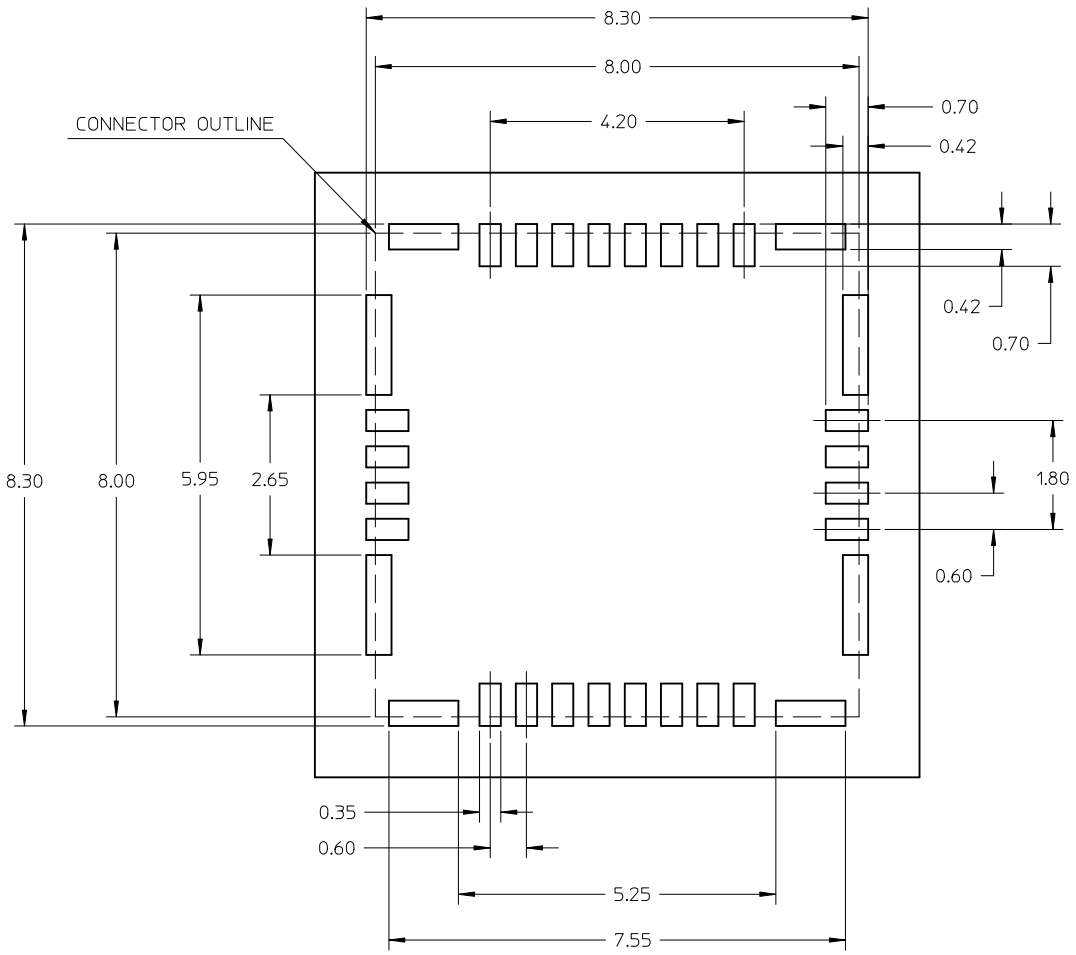
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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78499-001
SHEET NO.: 2 OF 4

SIZE: A3

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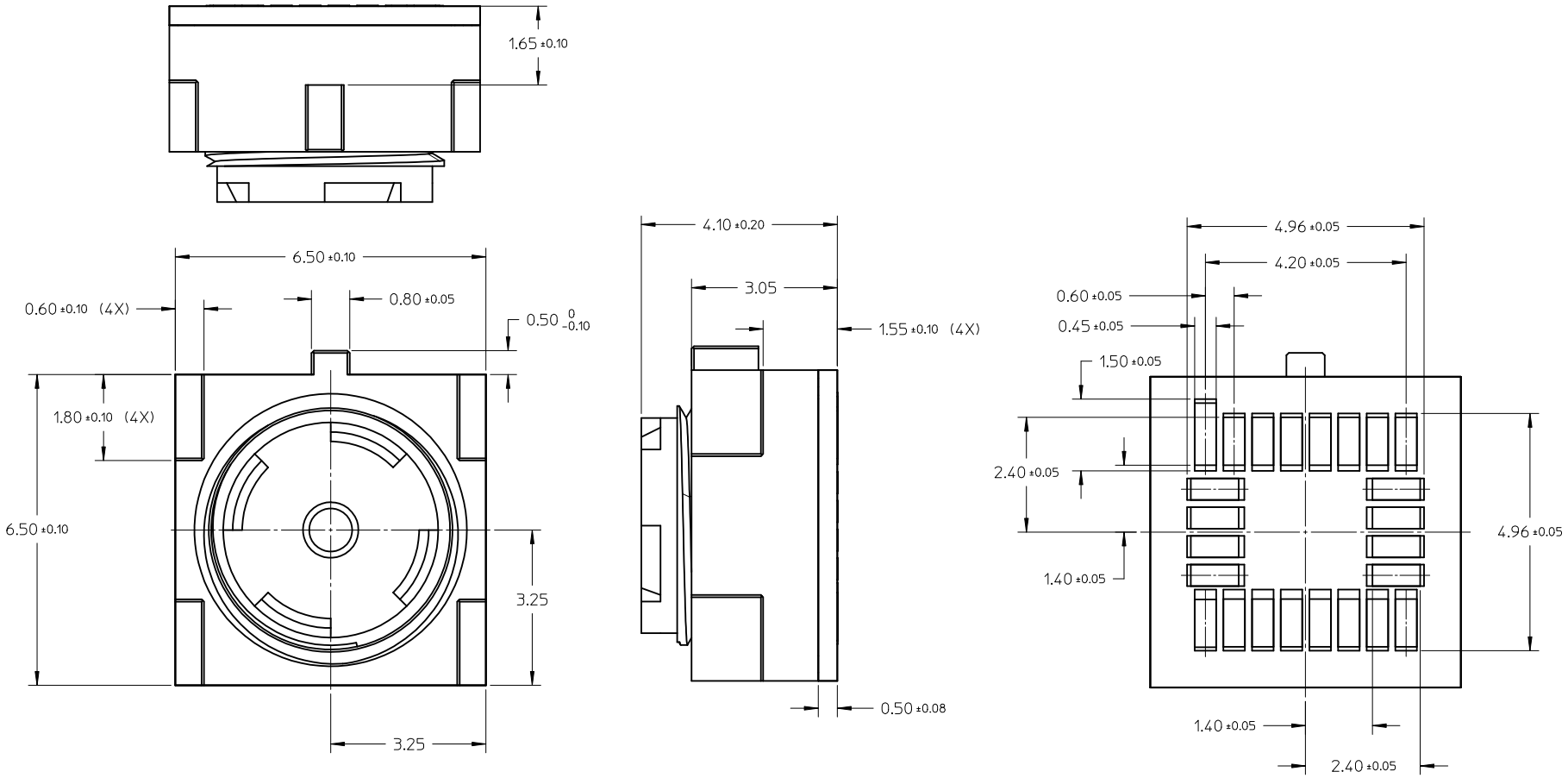
RECOMMENDED PCB LAYOUT



CORRECT GEN TOL	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
EC NO: S2010-0926 2010/04/23		FA=0	mm / INCH
DRWN:DWLEE01 2009/06/30		FC=0	4 PLACES ± --- / ± ---
CH'KD:CGTAN 2010/05/21		FP=0	3 PLACES ± --- / ± ---
APPR:SHLENI			2 PLACES ± 0.15 / ± ---
A2	REV		1 PLACE ± --- / ± ---
			ANGULAR ± 1 °
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: CMTEO DATE: 2009/03/31	TITLE: 6.5*6.5 CAMERA SOCKET SMT BOTTOM CONTACT TYPE		
CHECKED BY: CGTAN DATE: 2009/06/30			
APPROVED BY: SHLENI DATE: 2010/05/21	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-78499-001	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		

APPLICABLE CAMERA MODULE



CORRECT GEN TOL
EC NO: S2010-0926 2010/04/23
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CH'KD:CGTAN 2010/05/21
APPR:SHLENI
DESCRIPTION
REV
A2

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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1 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: CMTEO DATE: 2009/03/31
CHECKED BY: CGTAN DATE: 2009/06/30
APPROVED BY: SHLENI DATE: 2010/05/21

TITLE: 6.5*6.5 CAMERA SOCKET SMT BOTTOM CONTACT TYPE

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-78499-001
SHEET NO.: 4 OF 4
SIZE: A3

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