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Part Number: [0490210617](#)
Status: **Active**
Description: 2.54mm (.100") Pitch, SIM Card Connector, Dome Type, SMT PCB Top Mounting for GSM Phone, 6 Circuits

Documents:

- [3D Model](#)
- [Packaging Specification \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-49021-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Memory Card Sockets
Series	49021
Button Type	N/A
Component Type	Header/Socket (Host)
Product Name	SIM
Type	N/A

Physical

Card Detection Switch	N/A
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	10,000
Ejector Button Side	No Ejector Button Present
Entry Angle	Vertical (Top Entry)
Keying to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.6
Plating min: Termination (µin)	1.2
Plating min: Termination (µm)	0.03
Ports	1
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.25A
Shielded	No
Voltage - Maximum	5V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-49021-001
Product Specification	PS-49021-001, RPS-49021-001

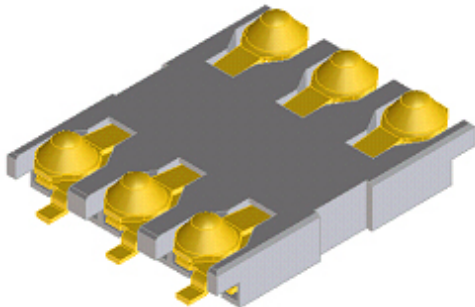


image - Reference only

Series

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.

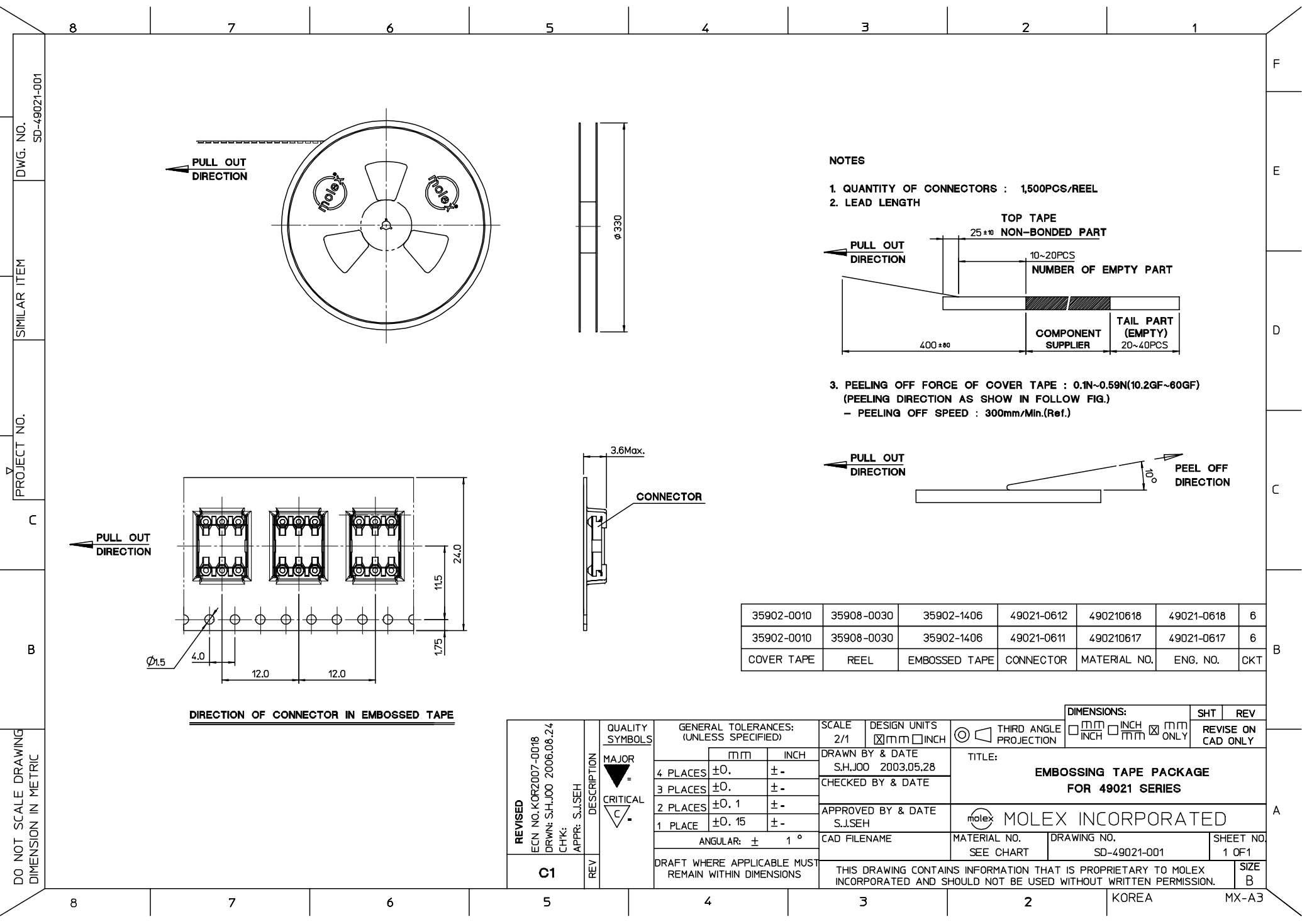
Search Parts in this Series
[49021Series](#)

Mates With
Industry Standard SIM Card

Use With
SIM Card

This document was generated on 06/07/2010

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DO NOT SCALE DRAWING
DIMENSION IN METRIC

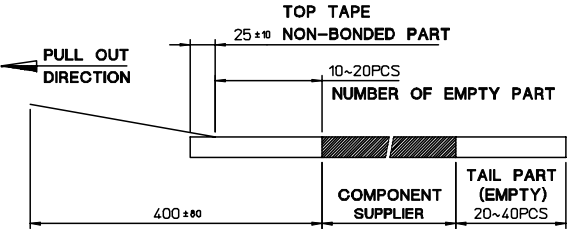
PROJECT NO.
SD-49021-001

SIMILAR ITEM

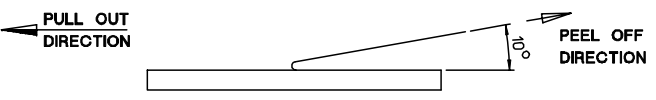
DWG. NO.
SD-49021-001

NOTES

1. QUANTITY OF CONNECTORS : 1,500PCS/REEL
2. LEAD LENGTH

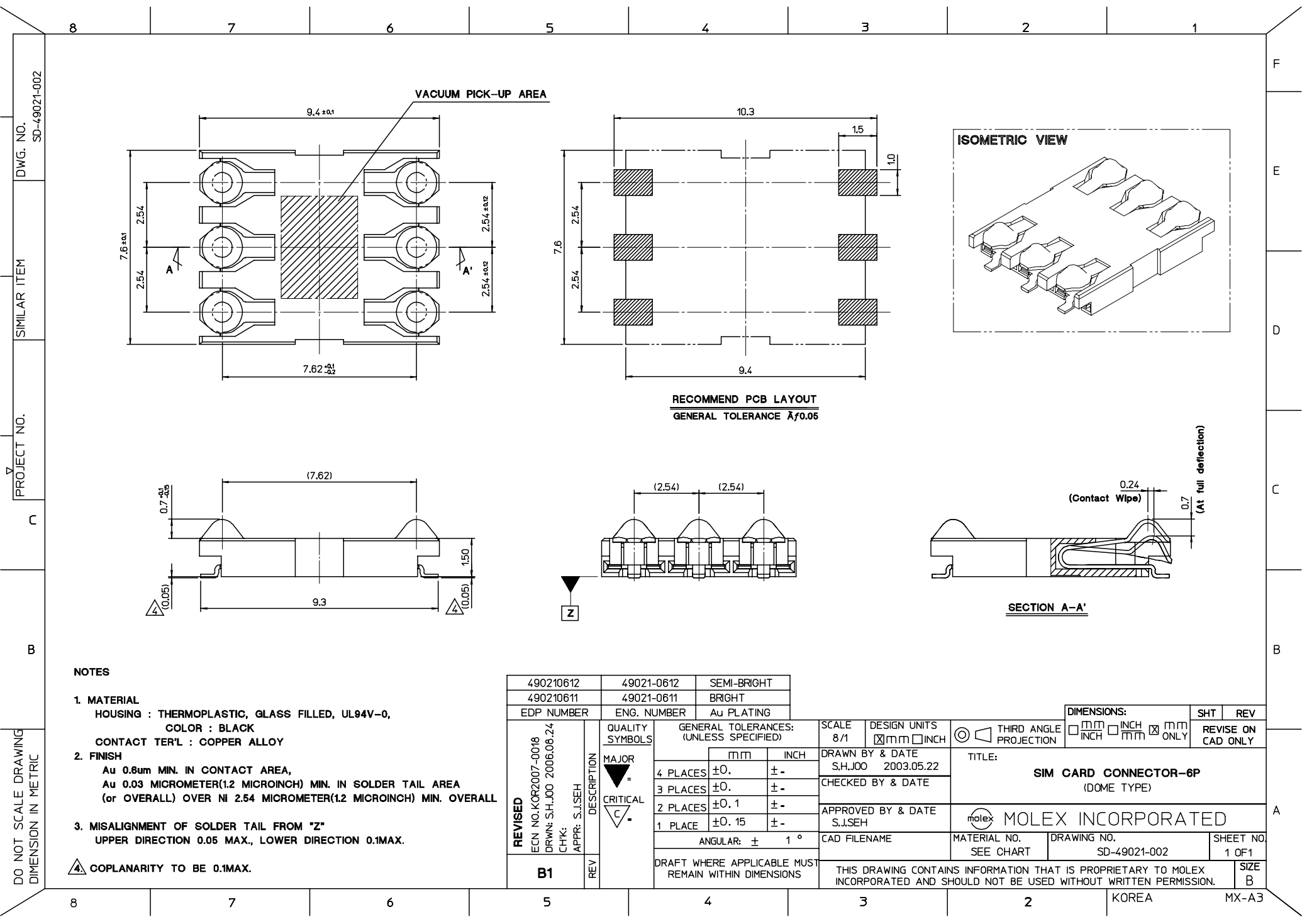


3. PEELING OFF FORCE OF COVER TAPE : 0.1N~0.59N(10.2GF~80GF)
(PEELING DIRECTION AS SHOW IN FOLLOW FIG.)
- PEELING OFF SPEED : 300mm/Min.(Ref.)



35902-0010	35908-0030	35902-1406	49021-0612	490210618	49021-0618	6
35902-0010	35908-0030	35902-1406	49021-0611	490210617	49021-0617	6
COVER TAPE	REEL	EMBOSSED TAPE	CONNECTOR	MATERIAL NO.	ENG. NO.	CKT

REVISED ECN NO. KOR2007-0018 DRWN: S.H.JOO 2006.08.24 CHK: APPR: S.J.SEH	DESCRIPTION	QUALITY SYMBOLS MAJOR = CRITICAL C =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2/1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV	
							DRAWN BY & DATE S.H.JOO 2003.05.28		TITLE: EMBOSSING TAPE PACKAGE FOR 49021 SERIES			
							CHECKED BY & DATE					
							APPROVED BY & DATE S.J.SEH					
					ANGULAR: ± 1 °		CAD FILENAME		MATERIAL NO. SEE CHART		DRAWING NO. SD-49021-001	
C1	REV		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.						SIZE B



NOTES

1. MATERIAL
HOUSING : THERMOPLASTIC, GLASS FILLED, UL94V-0,
COLOR : BLACK
CONTACT TER'L : COPPER ALLOY
2. FINISH
Au 0.8um MIN. IN CONTACT AREA,
Au 0.03 MICROMETER(1.2 MICROINCH) MIN. IN SOLDER TAIL AREA
(or OVERALL) OVER NI 2.54 MICROMETER(1.2 MICROINCH) MIN. OVERALL
3. MISALIGNMENT OF SOLDER TAIL FROM "Z"
UPPER DIRECTION 0.05 MAX., LOWER DIRECTION 0.1MAX.

4. COPLANARITY TO BE 0.1MAX.

490210612		49021-0612		SEMI-BRIGHT													
490210611		49021-0611		BRIGHT													
EDP NUMBER		ENG. NUMBER		Au PLATING													
REVISED ECN NO. KOR2007-0018 DRWN: S.H.JOO 2006.08.24 CHK: S.J.SEH APPR: S.J.SEH B1	DESCRIPTION REV	QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 8/1		DESIGN UNITS ☒ mm ☐ INCH		 THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT		REV	
		MAJOR CRITICAL C		mm		INCH		DRAWN BY & DATE S.H.JOO 2003.05.22		TITLE: SIM CARD CONNECTOR-6P (DOME TYPE)		REVISE ON CAD ONLY					
				4 PLACES		±0. ±.		CHECKED BY & DATE									
				3 PLACES		±0. ±.		APPROVED BY & DATE S.J.SEH									
				2 PLACES		±0.1 ±.											
				1 PLACE		±0.15 ±.											
		ANGULAR: ± 1 °		CAD FILENAME		MATERIAL NO. SEE CHART		DRAWING NO. SD-49021-002		SHEET NO. 1 OF 1							
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.										SIZE B					