This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0955036894
Status: Active
Overview: modular_plugs_jacks
Description: 8/8 JACK SMT SHORT NO KEY VERSION

Documents:

3D Model
Drawing (PDF)
Application Specification (PDF)
Product Specification PS-95503-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	95503
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	1,000
Flammability	94V-0
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Vertical (Top Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	50.8
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.9
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
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
95503Series

Mates With
FCC 68 Plugs

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	125V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-95503-001, RPS-95503-002
Sales Drawing	SD-95503-003
Test Summary	STR-1181

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES :

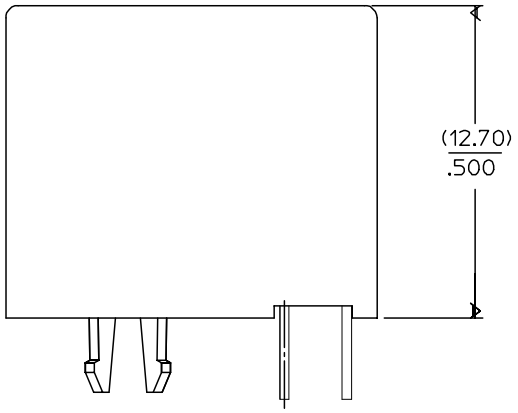
1- MATERIAL:
-HOUSING: LCP FIBER GLASS FILLED UL 94-V0
COLOR BLACK.
-TERMINAL: TIN BRASS.

PLATING 2:
POST PLATE (0.00127-0.00152)/.000050-.000060 GOLD IN CONTACT AREA. (0.00190)/.000075 MIN. PURE TIN IN TAIL AREA BOTH OVER (0.00127)/.000050 MIN. NICKEL OVERALL.

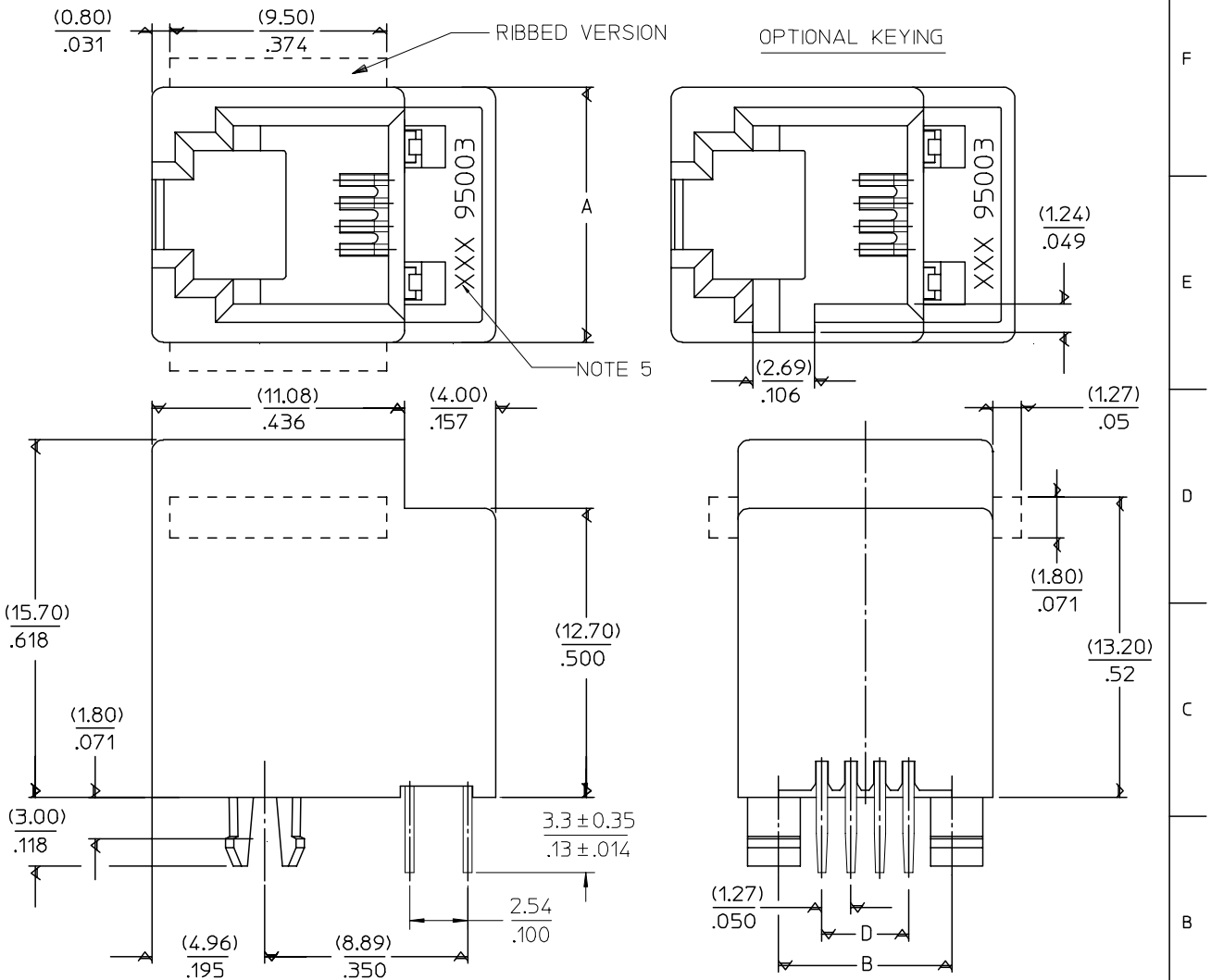
PLATING 7: ONLY ON REQUEST
POST PLATE 0.00005/.000002 MIN GOLD OVER 0.000763 .000030 MIN PALLADIUM NICKEL IN CONTACT AREA. 0.00190/.000075 MIN PURE TIN IN TAIL AREA. BOTH OVER 0.00127/.000050 MIN NICKEL OVERALL:

2- JACK FOR MATING WITH F.C.C. 68 PLUGS 90075 MOLEX SERIES.
3- PRODUCT SPECIFICATION PS-95503-001
4- PACKAGING SPECIFICATION PK-95003:
- STANDARD PACKAGING SHEET 1.
- TUBE PACKAGING FOR SMT VERSION SHEET 2.
- TUBE PACKAGING FOR THROUGH HOLE VERSION SHEET 3.
5- MANUFACTURING I.D. CAN BE MXF, MG OR MXI.

DIM. \ TYPE	POS. 4	POS. 6		POS. 8
	4 CKTS.	4 CKTS.	6 CKTS.	8 CKTS.
A	(11.18) / .440	(13.21) / .520	(13.21) / .520	(15.24) / .600
B	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
D	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350



SHORT VERSION



ADDED TABLE
EC NO: E2008-0267 2007/11/27
DRWN:DBYRNES 2007/11/28
CHKD:
APPR:EOMAHONY 2007/11/28
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .006
2 PLACES	± 0.15	± .010
1 PLACE	± 0.25	± ---
ANGULAR ± .5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	TMARTIN	2005/06/15
CHECKED BY	FCARABETTA	2005/06/15
APPROVED BY	KNOLLER	2005/06/15

TITLE: LOW PROFILE TOP ENTRY JACK (THROUGH HOLE VERSION)

molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHT 4,5
DOCUMENT NO.: SD-95503-003
SHEET NO.: 1 OF 5

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

NOTES :

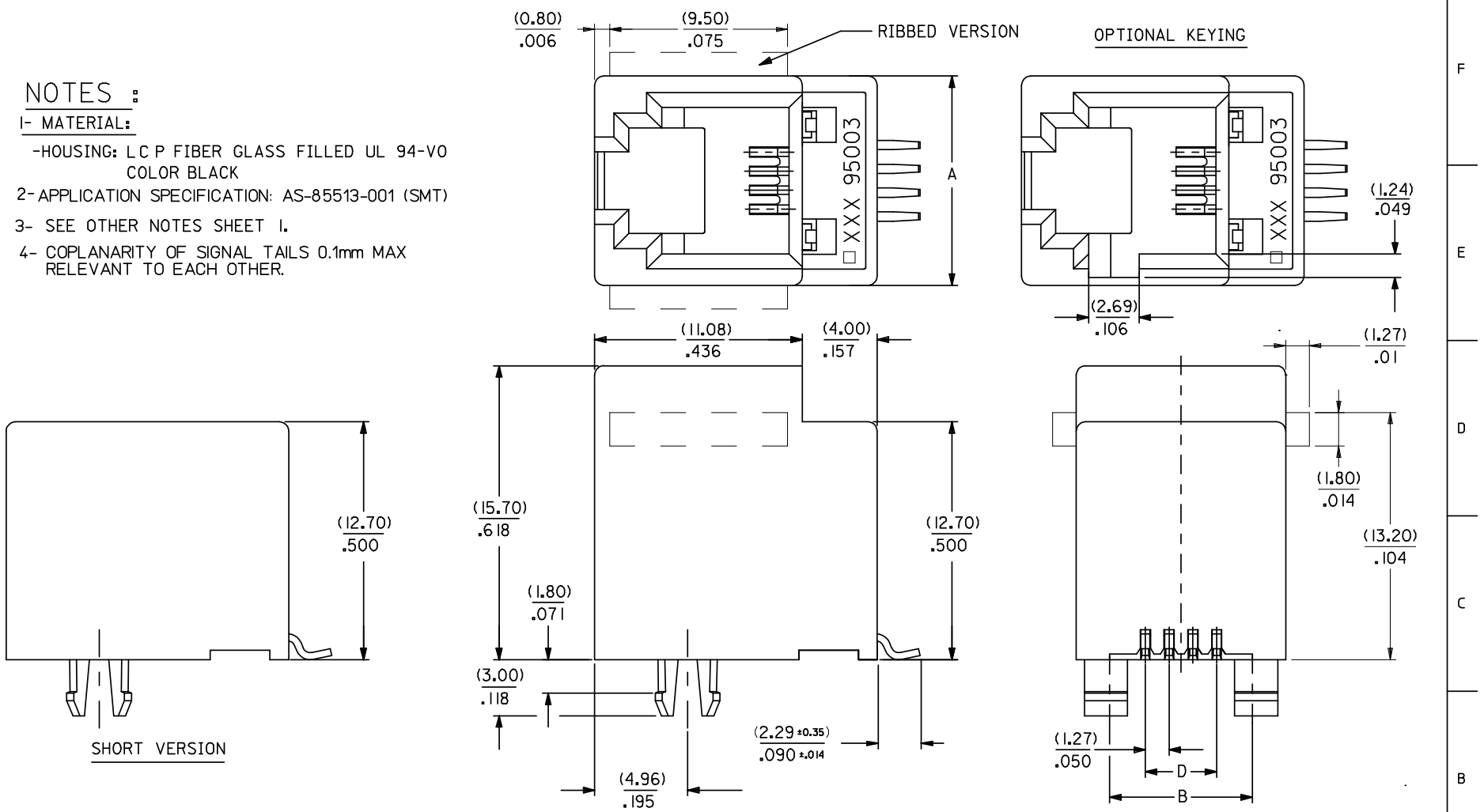
1- MATERIAL:

-HOUSING: LCP FIBER GLASS FILLED UL 94-V0
COLOR BLACK

2- APPLICATION SPECIFICATION: AS-85513-001 (SMT)

3- SEE OTHER NOTES SHEET 1.

4- COPLANARITY OF SIGNAL TAILS 0.1mm MAX
RELEVANT TO EACH OTHER.



DIM. \ TYPE	POS. 4	POS. 6		POS. 8
	4 CKTS.	4 CKTS.	6 CKTS.	8 CKTS.
A	(11.18) / .440	(13.21) / .520	(13.21) / .520	(15.24) / .600
B	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
D	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350

ADDED NOTE 4. 2008/04/21
EC NO: E2008-0585 2008/04/22
DRWN:DBYRNES 2008/04/22
CH'KD:
APPR:EOMAHONY 2008/04/22
REV DESCRIPTION

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .006
2 PLACES	± 0.15	± .010
1 PLACE	± 0.25	± ---

ANGULAR ± .5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	TMARTIN	2005/06/19
CHECKED BY	FCARABETTA	2005/06/19
APPROVED BY	KNOLLER	2005/06/19

TITLE: LOW PROFILE T/E JACK (SMT VERSION)

MOLEX INCORPORATED

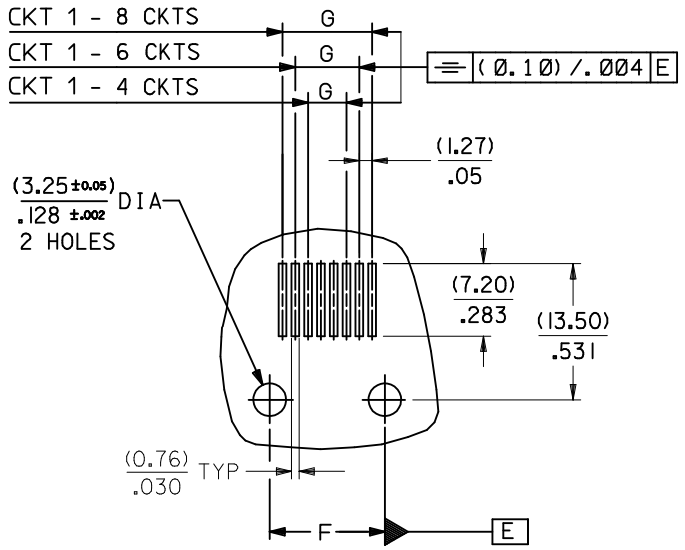
MATERIAL NO.: SEE SHT. 4, 5
DOCUMENT NO.: SD-95503-003
SHEET NO.: 2 OF 5
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

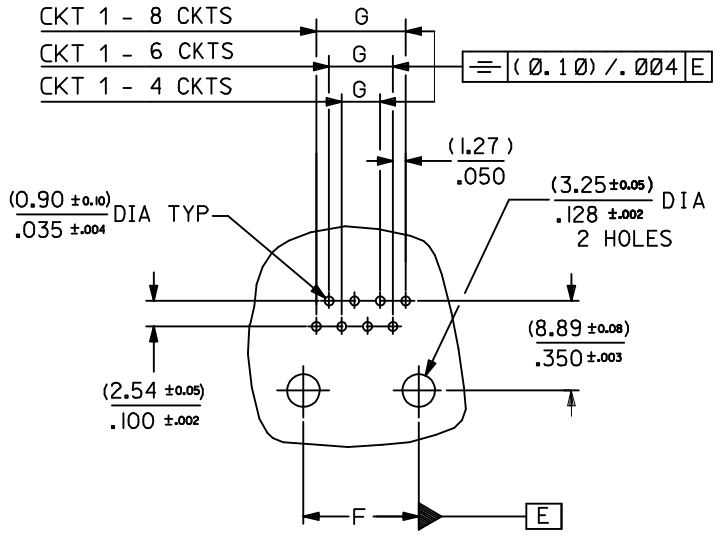
DIM. \ TYPE	POS. 4	POS. 6		POS. 8
	4 CKTS.	4 CKTS.	6 CKTS.	8 CKTS.
F (±0.05)/±.002	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
G (±0.05)/+.002	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350

P.C.B MOUNTING PATTERNS - SEEN FROM COMPONENT SIDE

FOR SMT JACK (SURFACE MOUNT)



FOR STANDARD JACK (THROUGH HOLE)



ADDED CKT 1 INDICATOR
EC NO: E2010-0075 2009/08/13
DRWN: DBYRNES 2009/08/19
CH'KD:
APPR: JWALLACE 2009/08/19
DESCRIPTION
D
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.006
2 PLACES	± 0.15	±.010
1 PLACE	± 0.25	± ---
ANGULAR ± .5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TMARTIN DATE: 2005/06/15
CHECKED BY: FCARABETTA DATE: 2005/06/15
APPROVED BY: KNOLLER DATE: 2005/06/15

TITLE: LOW PROFILE T/E JACK

MOLEX INCORPORATED

MATERIAL NO.: SEE SHT. 4, 5
DOCUMENT NO.: SD-95503-003
SHEET NO.: 3 OF 5
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TUBE PACKAGING, SEE PACKAGING SPEC. PK 95003
SHEET 2

PART NO FOR JACK ASSEMBLY
S.M.T. STANDARD VERSION

HOUSING SIZE	LOADED CONTACTS	PLATING	LC P FIBER GLASS FILLED 94V0, COLOR BLACK.							
			NO KEY NO RIB	TOOLED	KEY NO RIB	TOOLED	NO KEY RIB	TOOLED		TOOLED
4	4	2	95503-6451	X						
6	4	2	95503-6651	X						
6	6	2	95503-6671	X						
8	8	2	95503-6891	X			95503-6887	X		
		2								

PART NO FOR JACK ASSEMBLY
S.M.T. SHORT VERSION

LC P FIBER GLASS FILLED 94V0, COLOR BLACK.							
NO KEY NO RIB	TOOLED	KEY NO RIB	TOOLED	NO KEY RIB	TOOLED		TOOLED
95503-6894	X						

TOOLED	X
NOT TOOLED	

REMOVED PART #'s
EC NO: E2007-1039 2007/06/26
DRWN:DBYRNES 2007/06/26
CHKD:
APPR:EOMAHONY 2007/07/09
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TMARTIN DATE: 2005/06/16
CHECKED BY: FCARABETTA DATE: 2005/06/16
APPROVED BY: KNOLLER DATE: 2005/06/16

TITLE: LOW PROFILE T/E JACK SMT VERSION

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-95503-003
SHEET NO.: 5 OF 5

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION