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Part Number: [0850170115](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612/EIC 603-2 Mixed Layout Connector, Male Style M (Hybrid type), Inverse Press-Fit, 0.6µm (24µ") Gold (Au) Selective, 64 Circuits , Lead Free

Documents:
[3D Model](#) [Product Specification PS-85013-0002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

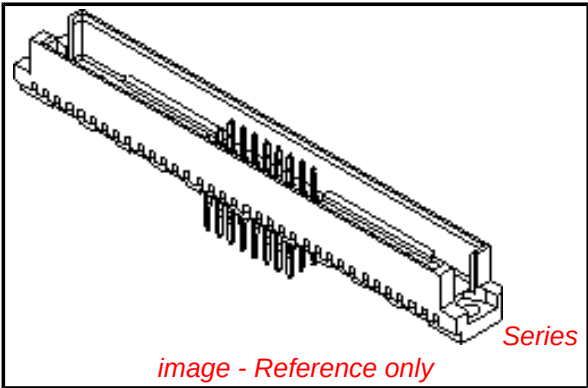
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85017](#)
Application Backplane
Comments Mixed Layout
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style M

Physical

Circuits (Loaded) 64
Circuits (maximum) 64
Circuits Detail 60 Signal , 4 Power
Color - Resin Gray
Durability (mating cycles max) 400
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Polyester
Number of Columns 20
Number of Pairs Open Pin Field
Number of Rows 3
Orientation Vertical
PC Tail Length (in) 0.228 In
PC Tail Length (mm) 5.80 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
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



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
[85017Series](#)

Mates With
[85048](#) Straight Female Style M Receptacle.
[85056](#) Straight Female Style M "inverse"
Receptacle

Use With
[85023](#) DIN 41612 Coaxial Contact

Plating min: Termination (μin)	16
Plating min: Termination (μm)	0.4
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

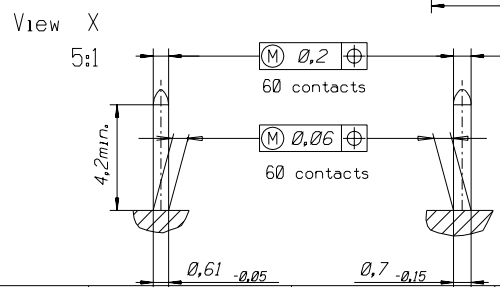
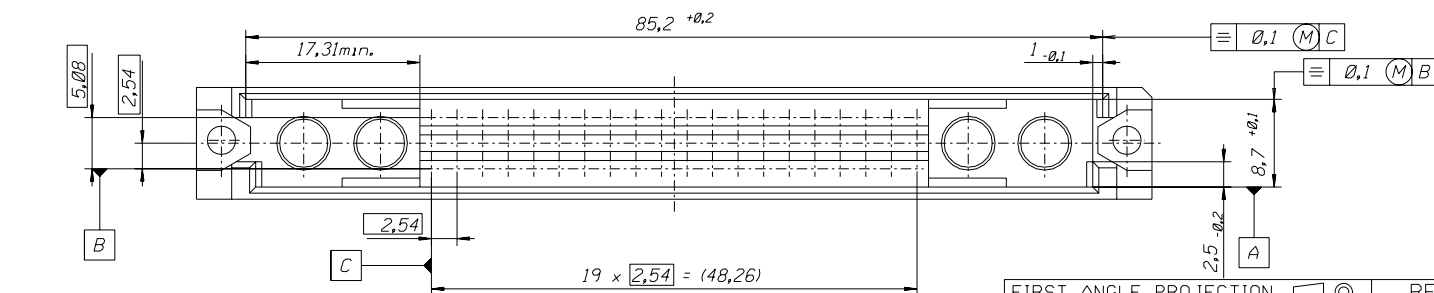
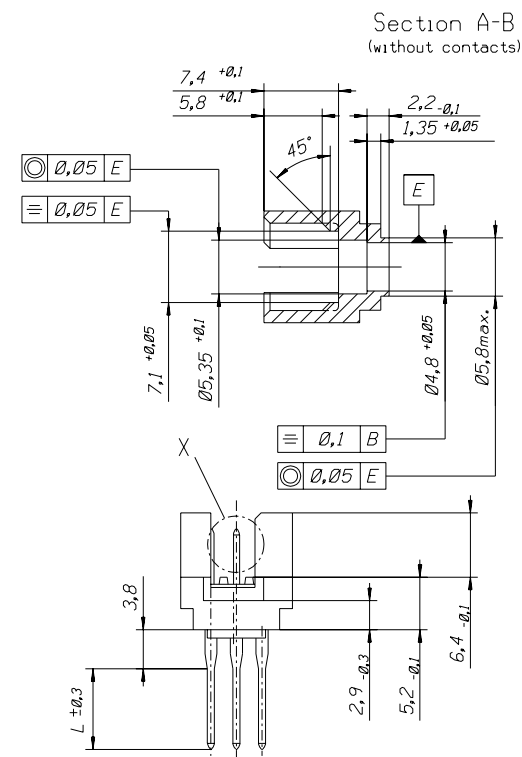
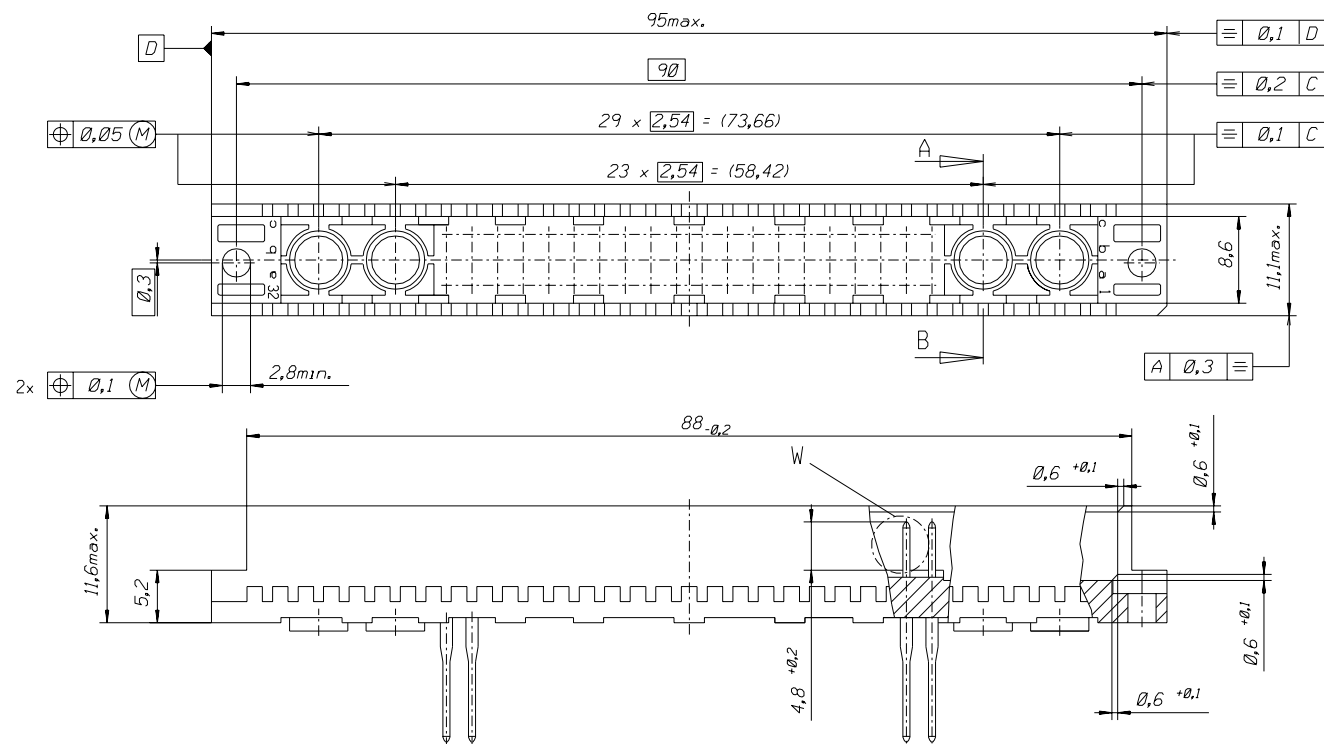
Material Info

Reference - Drawing Numbers

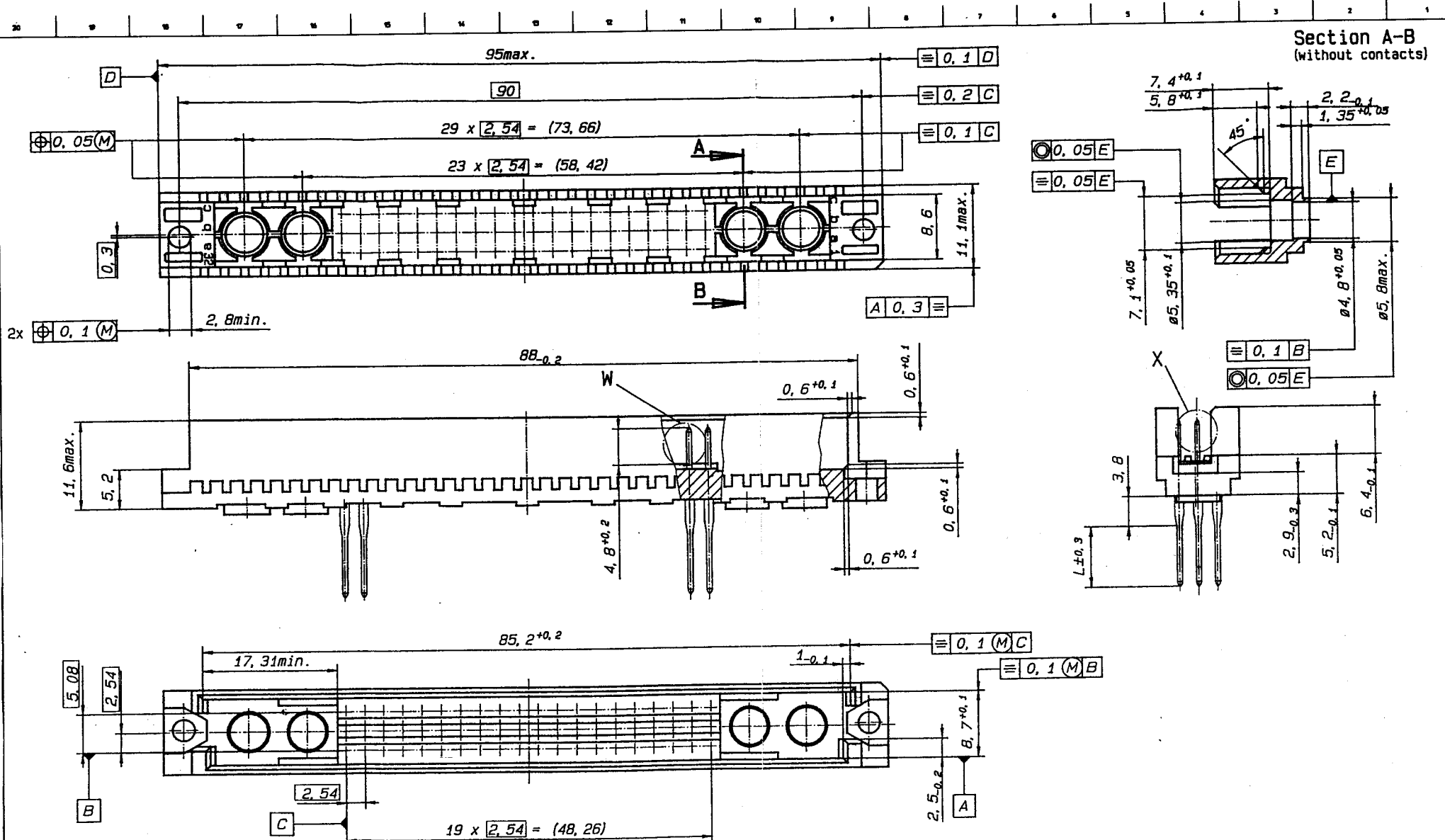
Packaging Specification	PK-85017-001
Product Specification	PS-85013-0002
Sales Drawing	603-6093-23, SD-85017-003

This document was generated on 05/17/2010

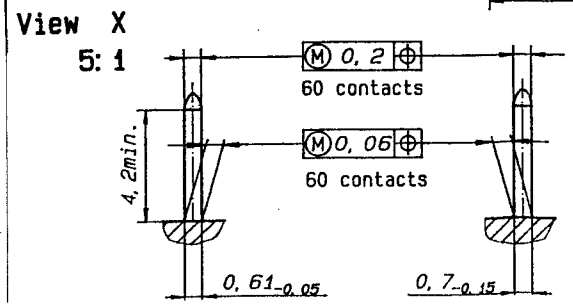
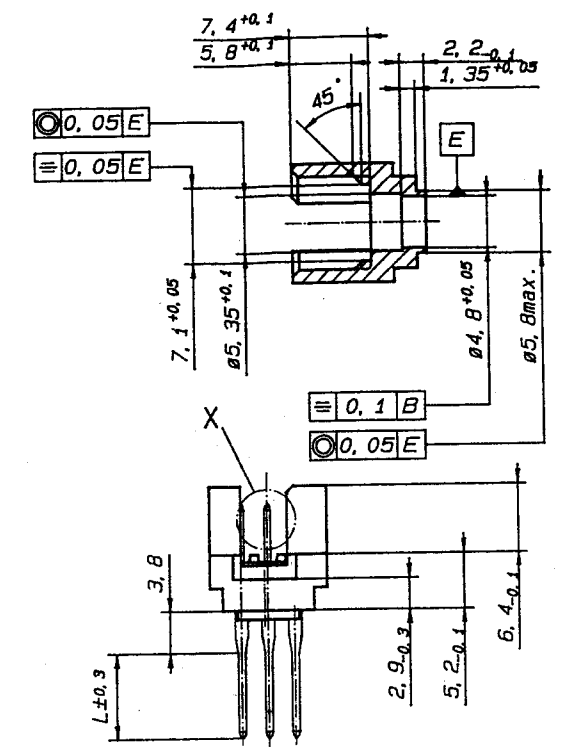
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View W
5:1

FIRST ANGLE PROJECTION				REVISE ONLY ON CAD SYSTEM		SH. REV.		
REVISIONS SEE MR. LIST FOR PREVIOUS EDITIONS	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY Ca	SIGN	CADCAM PROJECT NAME 60393231 dgn		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	INCH METRIC							
	3 PLACE $\pm$.	$\pm$	CHK'D BY KN	SIGN	TITLE 60 pos. Male connector DIN 41612 style M (C-Pin) inverted / Dimensions			
	2 PLACE $\pm$.	$\pm$						
	1 PLACE $\pm$.	$\pm$						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APP'D BY	SIGN	 MOLEX EUROPE		SHEET NO. DATE		
DESIGN DIMENSION ☐ MM ☐ IN.						1 OF 3 95/05/23		
EQUIVALENT DIMENSION ☐ MM ☐ IN.		SCALE		PART NO.		DWG NO.		SIZE
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION. THE LOWER IS SECONDARY		2:1		see sh. no. 2 of 3		603-6093-23		B



Section A-B
(without contacts)



View W
5:1

WE RELEASE
REFERENCE
USE ONLY

RoHS COMPLIANT

EC NO: 12006-0679		2006/06/06 2006/06/06 2006/06/06		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
A		DRAWN: SHANKAR CHKD: SSUDHIR APPR: SSUDHIR		DESCRIPTION		mm		INCH		DRAWN BY SHANKAR		DATE 2006/06/06		TITLE	
						4 PLACES ±		±		CHECKED BY SSUDHIR		DATE 2006/06/06		ASSY DIN 41612 STYLE M INVERTED, 60 POS MALE C-PIN CONNECTOR	
						3 PLACES ±0.05		±		APPROVED BY SSUDHIR		DATE 2006/06/06		MOLEX INCORPORATED	
						2 PLACES ±0.1		±		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						1 PLACE ±0.15		±		SEE SHEET 2		SD-85017-003		1 OF 3	
						ANGULAR ± 2 °				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

60P-6093-0731-9	85017-0282	no	2	----- 2	1, 2, 3...20 a+b+c
60P-6093-0731-7	85017-0294	no	2	Wire wrap 13, 3	1, 2, 3...20 a+b+c
60P-6093-0731-6	85017-0268	no	2	Wire wrap 16, 4	1, 2, 3...20 a+b+c
60P-6093-072V-9	85017-0115	yes	2	----- 2	1, 2, 3...20 a+b+c
60P-6093-072V-8	85017-0103	yes	2	Wire wrap 9, 4	1, 2, 3...20 a+b+c
60P-6093-072V-7	85017-0098	yes	2	Wire wrap 13, 3	1, 2, 3...20 a+b+c
60P-6093-072V-6	85017-0086	yes	2	Wire wrap 16, 4	1, 2, 3...20 a+b+c
60P-6093-0722-9	85017-0024	no	1	----- 2	1, 2, 3...20 a+b+c
Engineering number	Ordering code	Molex std.	Perform. level hard gold acc. MIL-G45204	Termination / L	Contact sequence / row



RoHS COMPLIANT

EC NO: 12006-0679 DRAWN BY: SHANKAR CHECKED BY: SSUDHIR APPROVED BY: SSUDHIR DATE: 2006/06/06 DATE: 2006/06/06 DATE: 2006/06/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▼-0 ▽-0	mm INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± ± ANGULAR ± °	MM ONLY	NTS	METRIC	☒ THIRD ANGLE PROJECTION
	DRAWN BY: SHANKAR DATE: 2006/06/06 CHECKED BY: SSUDHIR DATE: 2006/06/06 APPROVED BY: SSUDHIR DATE: 2006/06/06	ASSY DIN 41612 STYLE M INVERTED, 60 POS MALE C-PIN, CONNECTOR				
	MATERIAL NO. SEE CHART	MOLEX INCORPORATED DOCUMENT NO. SD-85017-003 SHEET NO. 2 OF 3				

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

1. General : Technical Data
60pos. Male connector acc.DIN 41612 style M inverted
(C-Pin)
2. Material :
 - 2.1 Moulding material : Thermoplastic Polyester GV30 grey RAL 7032
 - 2.1.1 Moulding material
burning properties acc. to UL94 V0
 - 2.1.2 Resistance against
solvents : good
 - 2.2 Pin contact : CuSn
 - 2.2.1 Contact plating : Performance level I or II (Test acc.DIN 41612 part.5)
3. Printing : Part.No., date of manufacturing



RoHS COMPLIANT

EC NO: 12006-0679 DRAWN BY: SHANKAR CHECKED BY: SSUDHIR APPROVED BY: SSUDHIR	QUALITY SYMBOLS ▽=0 ▽-0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY SHANKAR	DATE 2006/06/06	TITLE ASSY DIN 41612 STYLE M INVERTED, 60 POS MALE C-PIN, CONNECTOR	MOLEX INCORPORATED	
REV	DESCRIPTION	4 PLACES ±	±	±	CHECKED BY SSUDHIR	DATE 2006/06/06	APPROVED BY SSUDHIR		
		3 PLACES ±	±	±	DATE 2006/06/06	DATE 2006/06/06			
		2 PLACES ±	±	±	ANGULAR ± °				
		1 PLACE ±	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
SEE SHEET 2		SD-85017-003		SHEET NO. 3 OF 3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			