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Part Number: [0643203319](#)
Status: **Active**
Overview: [cmc_connectors](#)
Description: .635mm (.025"), 1.50mm (.059"), CMC Receptacle, 48 Circuits, Right Wire Output, Brown Coding, Mat Sealed

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Application Specification \(PDF\)](#)
[Product Specification PS-64319-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

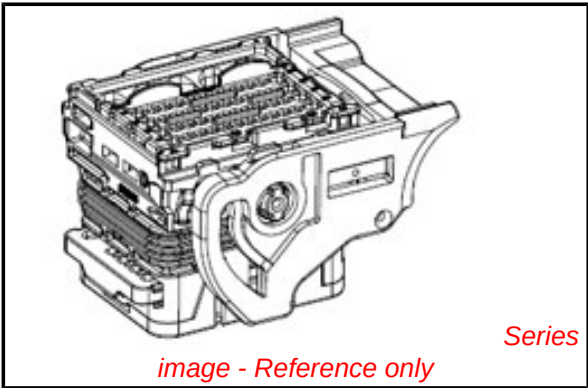
General
Product Family Crimp Housings
Series [64320](#)
Comments * Current tested on a 5 terminals loaded connector, current for temperature increase of 40°C . Current max = 6.0A for 0.635mm Terminal (0.75mm² wire) and 12.0A for 1.5mm Terminal (2.0mm² wire) *
More Detailed Tech Information Sealed, high-density, modular connecting system for Power Train and Body Electronics applications in cars, trucks, busses
Overview [cmc_connectors](#)
Product Name CMC

Physical
Circuits (maximum) 48
Circuits Detail 8 x 1.5mm & 40 x 0.635mm terminals
Color - Resin Brown
Gender Female
Glow-Wire Compliant No
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Resin Polyester
Number of Rows 4
Packaging Type Carton
Panel Mount No
Pitch - Mating Interface (in) 0.100 In, 0.146 In
Pitch - Mating Interface (mm) 2.54 mm, 3.70 mm
Polarized to Mating Part Yes
Stackable No
Temperature Range - Operating -40°C to +125°C

Electrical
Current - Maximum per Contact 12A, 6A

Material Info

Reference - Drawing Numbers
[Application Specification](#) AS-64319-001
[Packaging Specification](#) PK-64320-001
[Product Specification](#) PS-64319-001
[Sales Drawing](#) SD-64320-001, SD-98993-008



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

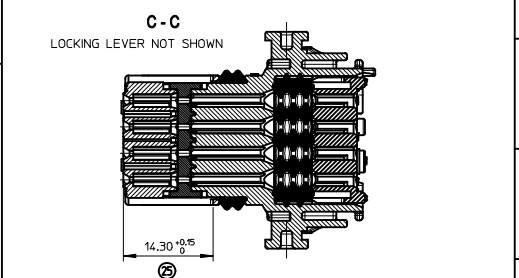
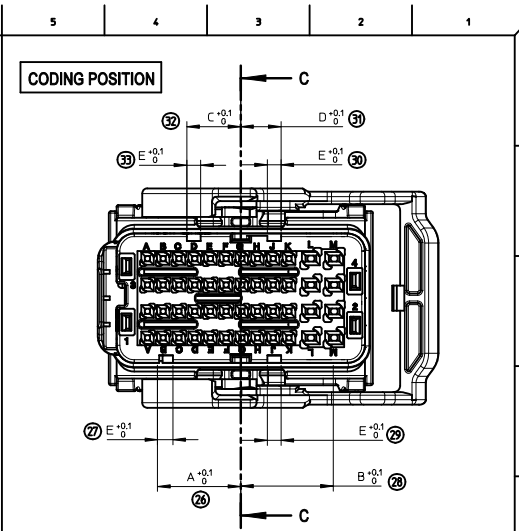
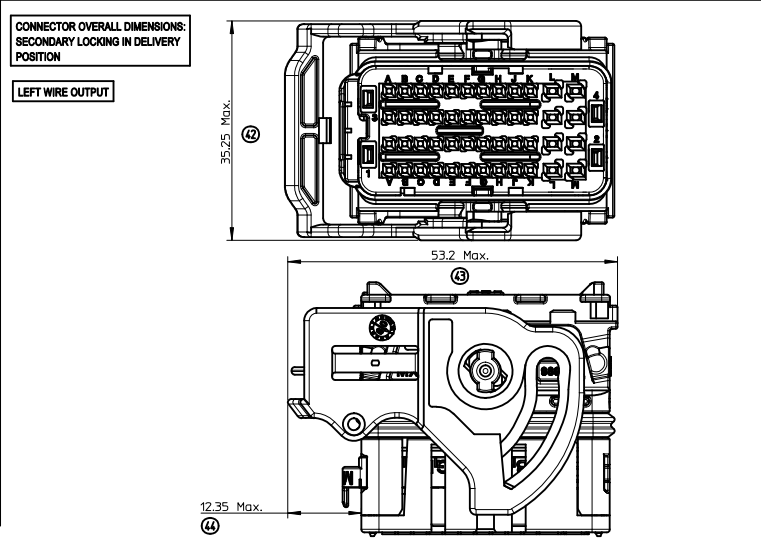
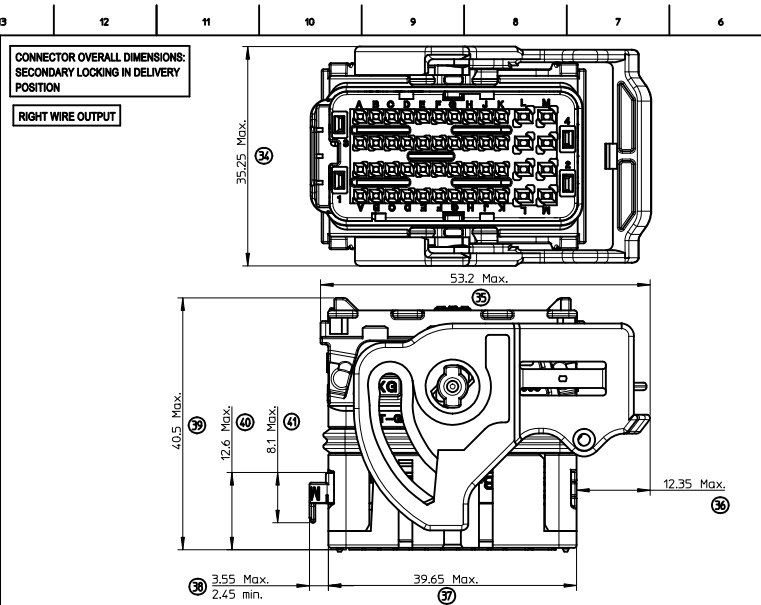
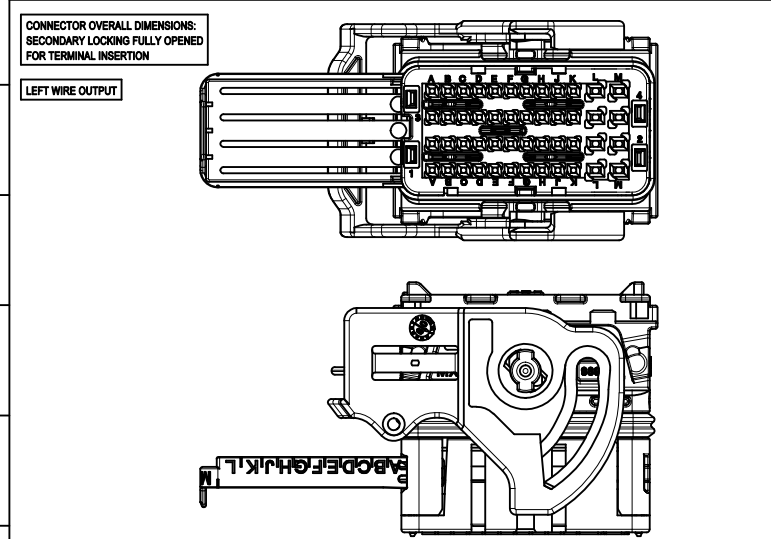
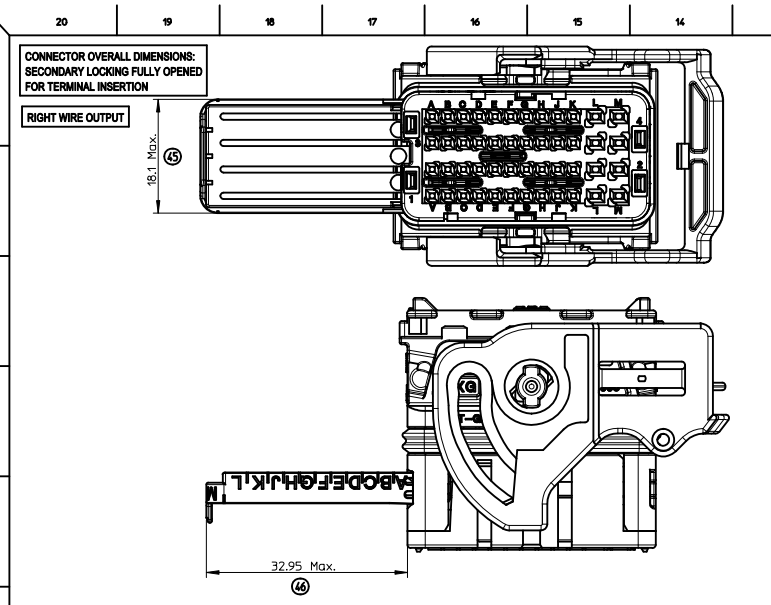
China RoHS

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
[64320Series](#)

Mates With
[36638](#) CMC Header

Use With
CMC CP Female Terminal [64322](#) , [64323](#).
Circuit Way Plugs [643251010](#) , [643251023](#).
CMC Wire Cap [643201301](#). CMC 48 Circuit Header [36638](#)



COLOR	CODING	A	B	C	D	E
BLACK	1	13	6.4	8.6	6.4	2.2
GREY	2	10.8	8.6	13	8.6	2.2
BROWN	3	8.6	10.8	13	13	2.2
GREEN	4	10.8	13	6.4	6.4	2.2

TERMINALS USED					
CAVITY N°	FEMALE TERMINALS (Section mm2)	PLATING	MOLEX PIN*	min / MAX WIRE INSULATION DIAMETER (mm)	
A1 to K1 A2 to K2 A3 to K3 A4 to K4	CP 0.6 0.35mm2	Tin plated	0643221019	Ø125 min / Ø140 Max	
		Gold plated	0643221229		
	CP 0.6 0.5mm2	Tin plated	0643221039	Ø140 min / Ø170 Max	
		Gold plated	0643221239		
L1 to L4 M1 to M4	CP 0.6 0.75mm2	Tin plated	0643221029	Ø160 min / Ø190 Max	
		Gold plated	0643221219		
	CP 15 0.5mm2 to 1mm2	Tin plated	0643231029	Ø140 min / Ø215 Max	
		Gold plated	0643231319		
	CP 15 >1mm2 to 2mm2	Tin plated	0643231039	Ø210 min / Ø280 Max	
		Gold plated	0643231219		

UPDATED DRAWING

EC NO: 09/06/02

DRWINGESBRIERES 2009/06/02

CHKDC: BOUCHAN

APPR: D

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm	INCH
4 PLACES ± 0.1	± 0.004
3 PLACES ± 0.1	± 0.004
2 PLACES ± 0.1	± 0.004
1 PLACE ± 0.1	± 0.004

ANGULAR ± 2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY: T. BADAROUX

CHECKED BY: P. GRANDCLAUD

APPROVED BY: C. BOUCHAN

DATE: 2007/07/16

MATERIAL NO.

DATE: 2007/07/16

SEE CHART SH.2

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

SCALE

2.5:1

DESIGN UNITS

METRIC

FIRST ANGLE PROJECTION

CMC CONNECTOR 48 WAY MAT SEAL VERSION

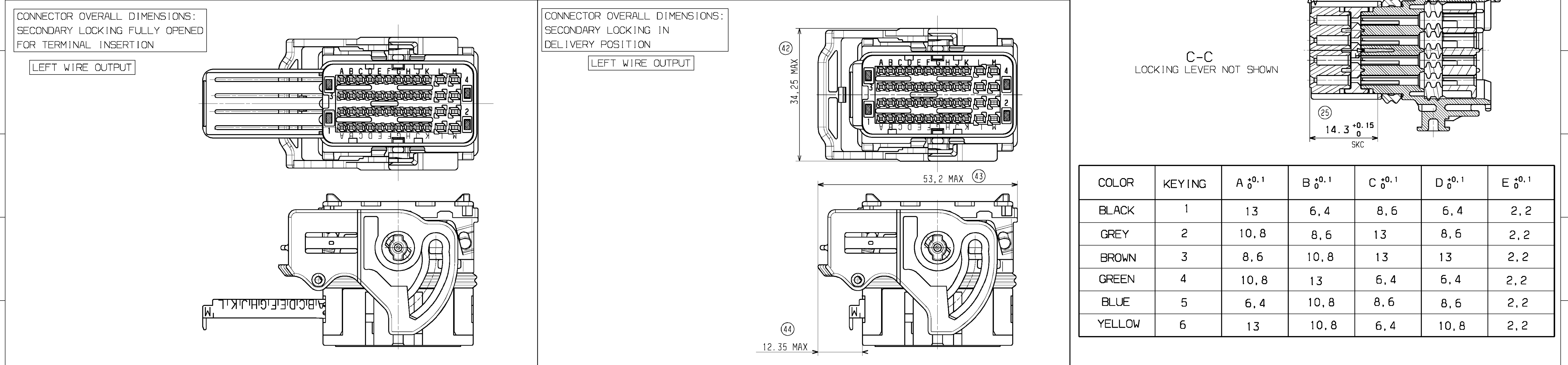
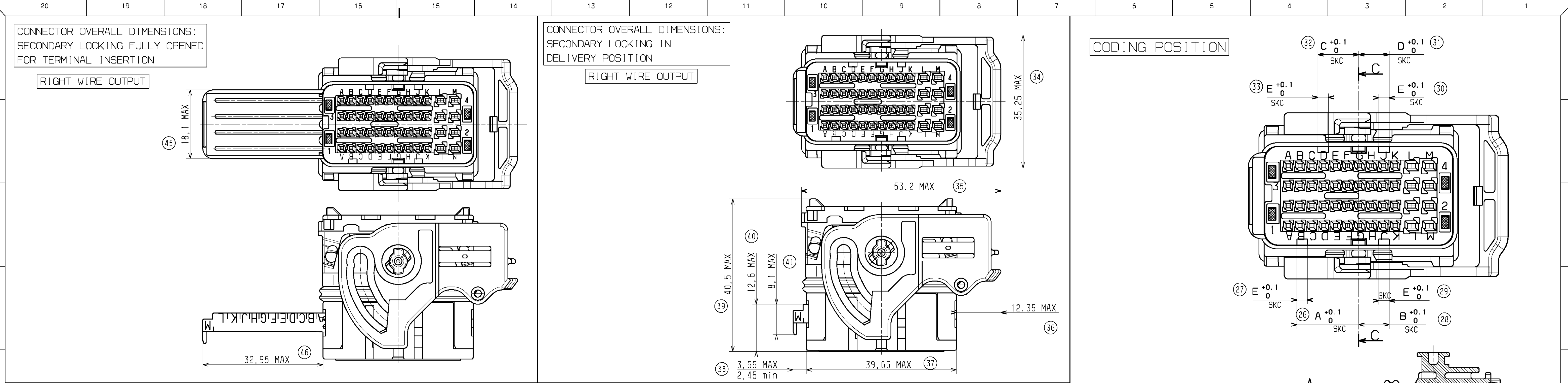
MOLEX INCORPORATED

DOCUMENT NO.

SD-64320-001

SHEET NO.

2 OF 2



CODING POSITION

C-C
LOCKING LEVER NOT SHOWN

TERMINALS USED		MOLEX PART NUMBER			
		TIN PLATED TERMINAL		GOLD PLATED TERMINAL 1.27µm min	
CAVITIES IDENTIFICATION	FEMALE TERMINAL 0.635 A1 to F1 A2 to F2 A3 to F3 A4 to F4	(0,35 to 0,44 mm2) 0643221019	(0,5 mm2) 0643221039	(0,35 to 0,44 mm2) 0643221229	(0,5 mm2) 0643221239
			(0,75 mm2) 0643221029		(0,75 mm2) 0643221219
	FEMALE TERMINAL 1.50 G1 to G4 H1 to H4	(1 mm2) 0643231029	(>1 to 2 mm2) 0643231039	(1 mm2) 0643231319	(>1 to 2 mm2) 0643231219

SKC: CS CHARACTERISTICS

☒

 DENOTES S.P.C DIMENSIONS

☒

 DENOTES CRITICAL DIMENSIONS

☒

 DENOTES FUNCTIONAL DIMENSIONS

QUANTITY PER INDIVIDUAL SHEET

☒ 0

☒

 0

☒

 0

SKC: 9

UPDATED DRAWING EC NO:G2008-0367 DRWN: TBADAROUX 2008/04/21 CH:KO: PGRANDCLAUDE 2008/04/21 APPR: CBOUCHAN 2008/04/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	☒ ☒ ☒ FIRST ANGLE PROJECTION
			mm	INCH	DRAWN BY TBADAROUX	DATE 2007/07/16	TITLE CMC CONNECTOR 48 WAY MATT SEAL VERSION	
		4 PLACES	±	±	CHECKED BY	DATE		
		3 PLACES	±	±	PGRANDCLAUDE	2007/07/16		
		2 PLACES	± 0.1	±	APPROVED BY	DATE		
1 PLACE	± 0.1	±	CBOUCHAN	2007/07/16	MOLEX INCORPORATED			
		ANGULAR ± 2 °		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-98993-008		2 OF 2
C	REV			SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			