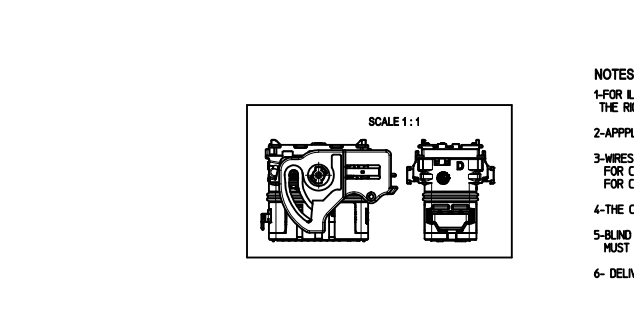
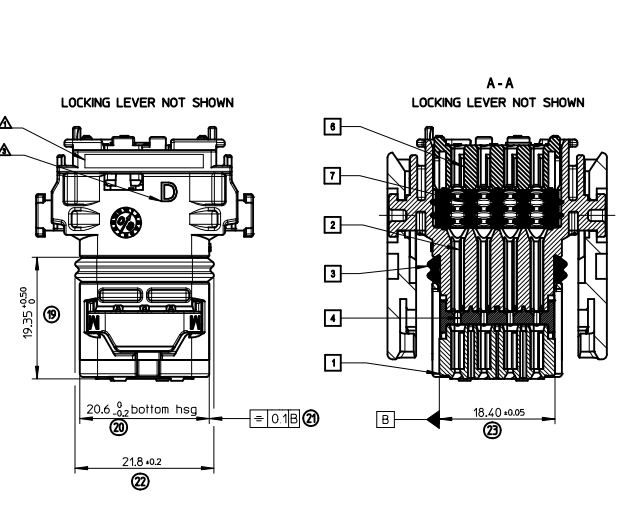
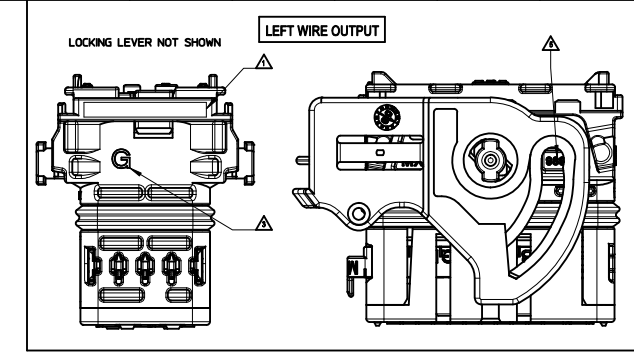


7	MAT SEAL	Silicon	BLUE
8	BACK GRID 48W	>PBT-GF20<	GREY
9	LOCKING LEVER 48W	>PBT-GF30<	BLACK
10	SECONDARY LOCK	>PBT-GF20<	GREY
11	PERIPHERAL SEAL 48W	Silicon	RED
12	BACK PART	>PBT-GF20<	BLACK
13	FRONT PART	>PBT-GF20<	COLOR LINKED TO KEYING
REF.	DESIGNATION	MATERIAL	COLOR



MARKINGS:
△ - Assembled part traceability Day + Year
△ - Terminal cavities identification
△ - Lever position indicator: 'D' LETTER VISIBLE - part with 'LEVER ON THE RIGHT' 'G' LETTER VISIBLE - part with 'LEVER ON THE LEFT'
△ - Supplier identification
△ - Material identification

LEFT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643201311	BLACK
0643201318	GREY
0643201319	BROWN
0643201315	GREEN

RIGHT WIRE OUTPUT	
MATERIAL NUMBER	COLOR
0643203311	BLACK
0643203318	GREY
0643203319	BROWN
0643203315	GREEN

NOTES:

1-FOR ILLUSTRATION PURPOSE THE FEMALE HOUSING SHOWN IS THE RIGHT WIRE OUTPUT VERSION CODING 1

2-APPLICATION SPECIFICATION: AS-64319-001

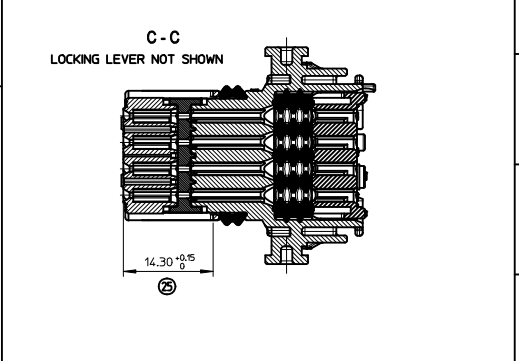
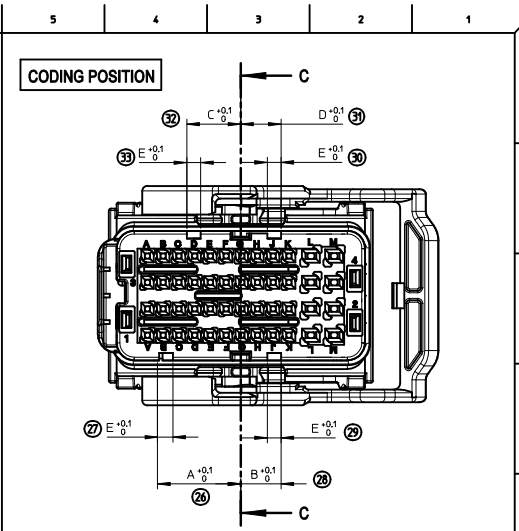
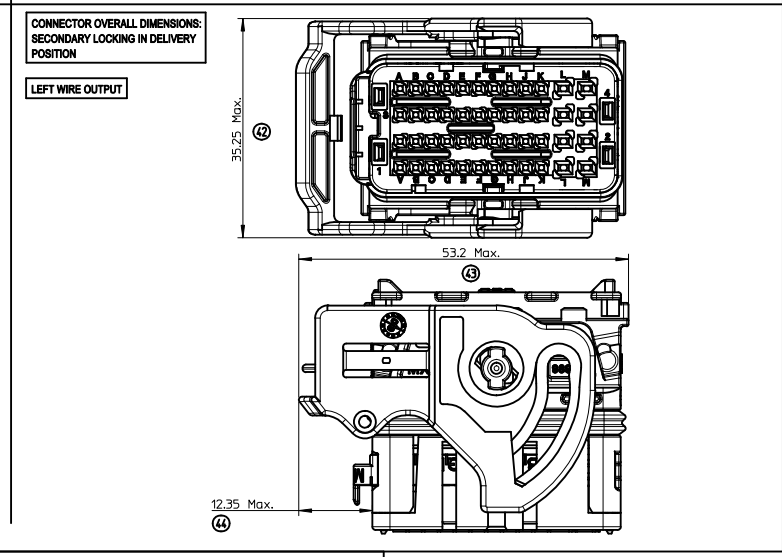
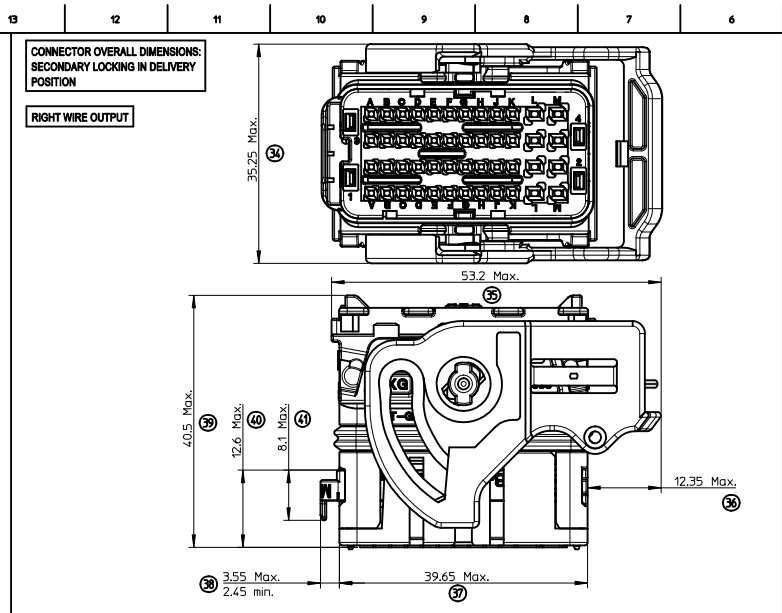
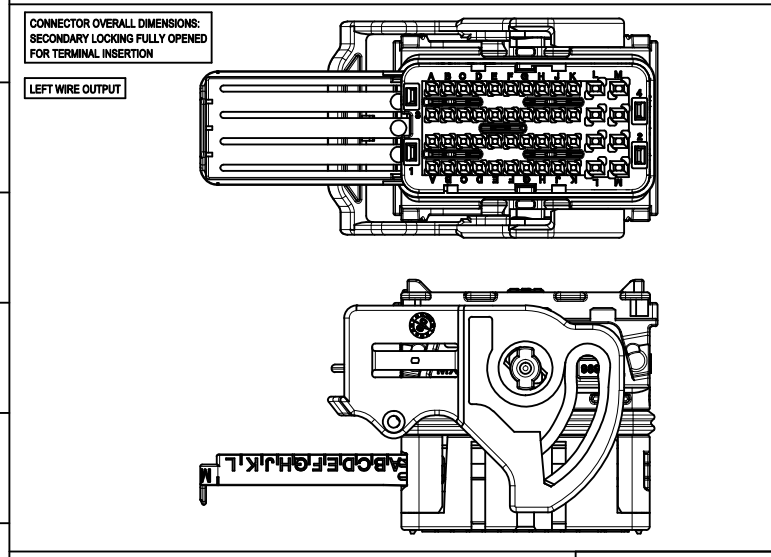
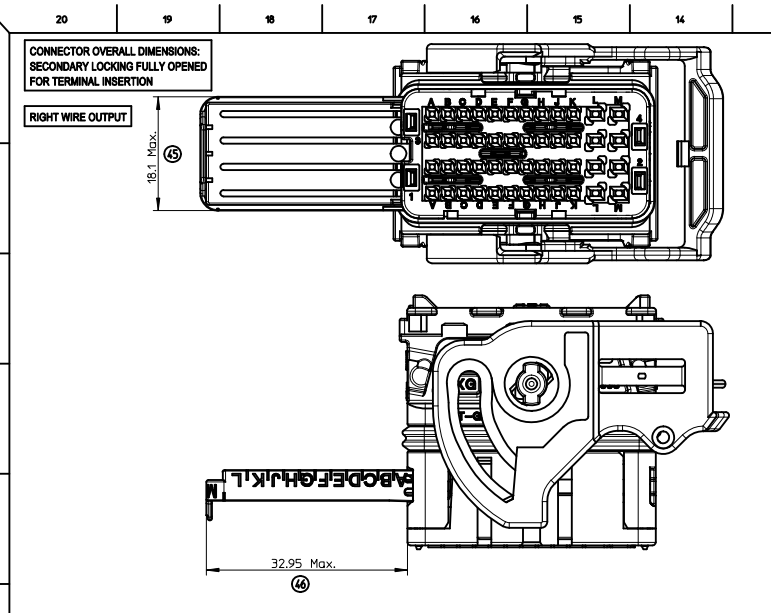
3-WIRES EXTERNAL DIAMETER USED:
FOR CP0.6 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.25MM MIN AND Ø1.90MM MAX
FOR CP15 TERMINAL: USE WIRES WITH AN EXTERNAL DIAMETER BETWEEN Ø1.40MM MIN AND Ø2.80MM MAX

4-THE CONNECTOR FITS WITH WIRE CAP (48 WAY) MOLEX P/N 0643201301

5-BLIND PLUG FOR 06 AND 15 CAVITIES MOLEX P/N 0643251010 AND 0643251023 MUST BE USED ON THIS PART.

6- DELIVERED PRODUCT WEIGHT: 33.8 g

ENTER DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION
EC NO: G2010-0205	▽=0	mm INCH	MM ONLY	2.5:1	METRIC	
DRWN:PECHELE 2010/06/07	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			
CHKD:P. GRANDCLAUD 2007/07/16	▽=0	3 PLACES ± --- ± ---	CHECKED BY DATE			
APPR:BOUCHAN 2010/07/07	▽=0	2 PLACES ± 0.1 ± ---	P. GRANDCLAUD 2007/07/16			
		1 PLACE ± 0.1 ± ---	APPROVED BY DATE			
		ANGULAR ± 2 °	C. BOUCHAN 2007/07/16			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.			
			SEE SHEET 2			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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 #	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	Ø1.25 min / Ø1.40 Max
		Gold plated	0643221229	
	CP 0.6 0.5mm2	Tin plated	0643221039	Ø1.40 min / Ø1.70 Max
		Gold plated	0643221239	
L1 to L4 M1 to M4	CP 0.6 0.75mm2	Tin plated	0643221029	Ø1.60 min / Ø1.90 Max
		Gold plated	0643221219	
	CP 1.5 0.5mm2 to 1mm2	Tin plated	0643231019	Ø1.40 min / Ø2.15 Max
		Gold plated	0643231319	
	CP 1.5 >1mm2 to 2mm2	Tin plated	0643231039	Ø2.10 min / Ø2.80 Max
		Gold plated	0643231219	

ENTER DESCRIPTION
EC NO: G2010-0205
DRAWN BY: DRWMP/ECHELE
CHECKED BY: GRANDCLAUD
APPROVED BY: BOUCHAN
DATE: 2010/06/07
DATE: 2010/07/16
DATE: 2010/07/16

QUALITY SYMBOLS
V=0
V=0
V=0

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
DATE: 2007/07/16
DATE: 2007/07/16

SCALE: 2.5:1

DESIGN UNITS: METRIC

FIRST ANGLE PROJECTION

TITLE: CMC CONNECTOR 48 WAY
MAT SEAL VERSION

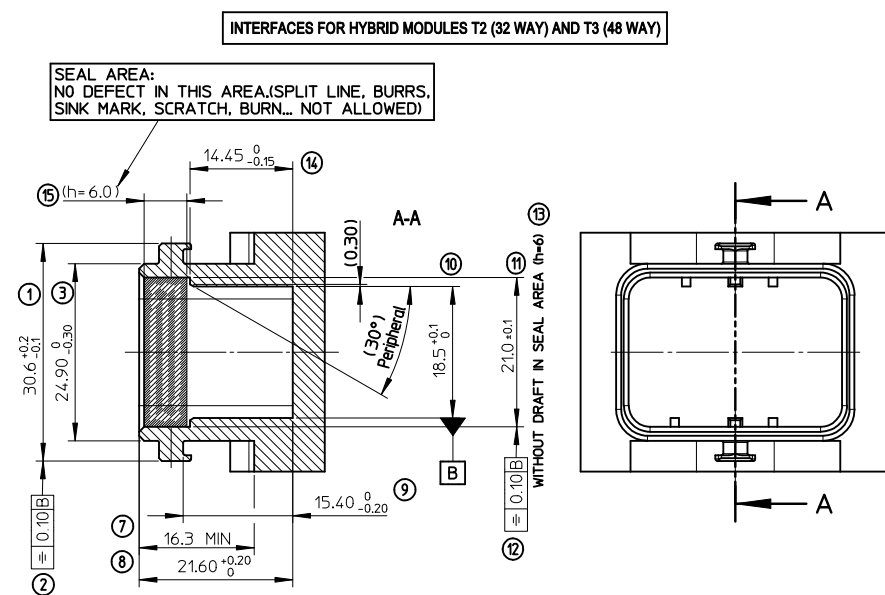
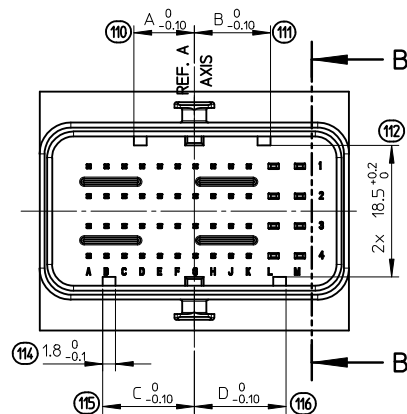
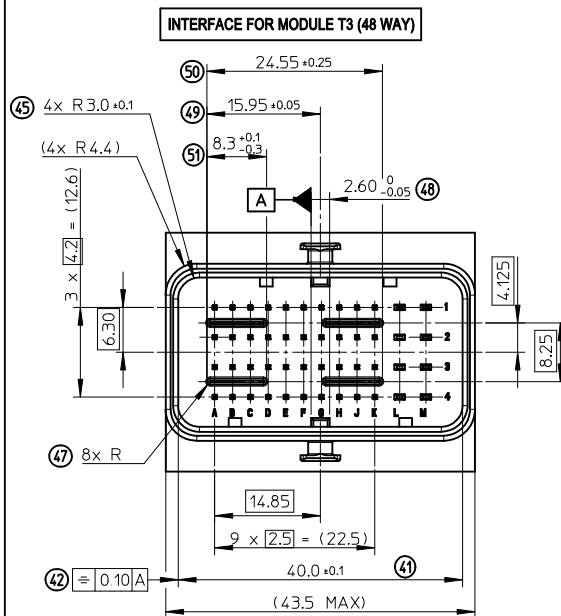
MOLEX INCORPORATED

MATERIAL NO. SD-64320-001

DOCUMENT NO. 2 OF 2

SHEET NO. 2 OF 2

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



HEADER'S CODINGS FOR MODULE T2 (32W)					
COLOR	CODING	DIM. A	DIM. B	DIM. C	DIM. D
BLACK	1	9.1	4.3	5.9	4.3
GREY	2	7.5	5.9	9.1	5.9
BROWN	3	5.9	7.5	9.1	9.1
GREEN	4	7.5	9.1	4.3	4.3
BLUE	5	4.3	7.5	5.9	5.9
YELLOW	6	9.1	7.5	4.3	7.5

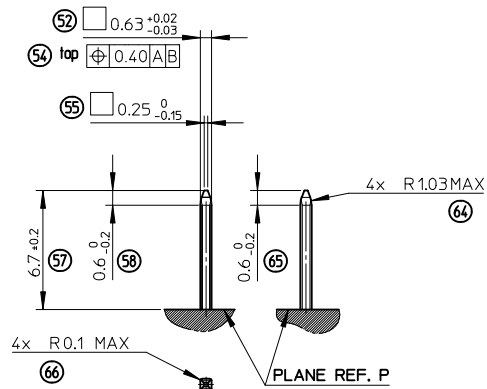
HEADER'S CODINGS FOR MODULE T3 (48W)					
COLOR	CODING	DIM. A	DIM. B	DIM. C	DIM. D
BLACK	1	12.9	6.3	8.5	6.3
GREY	2	10.7	8.5	12.9	8.5
BROWN	3	8.5	10.7	12.9	12.9
GREEN	4	10.7	12.9	6.3	6.3
BLUE	5	6.3	10.7	8.5	8.5
YELLOW	6	12.9	10.7	6.3	10.7

1- INTERFACE DEFINITION BASED ON NFR13-462 STANDARD.
2- HEADER: ELASTICITY MODULUS: 8000Mpa min.
(INITIAL CONDITION BEFORE AGEING)

tb_frame_A2_P_AM_F
Rev. F 2009/06/18

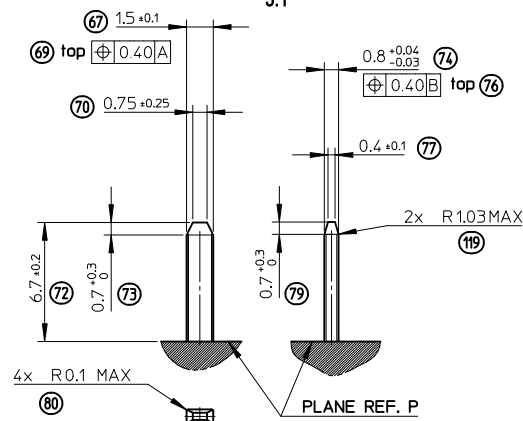
PINS 0.635 DEFINITION

5:1



TABS 1.5 DEFINITION

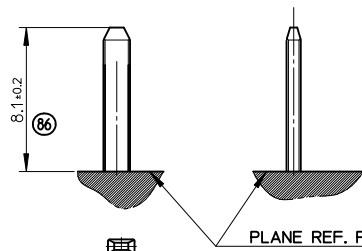
5:1



GROUND TABS 1.5 DEFINITION

5:1

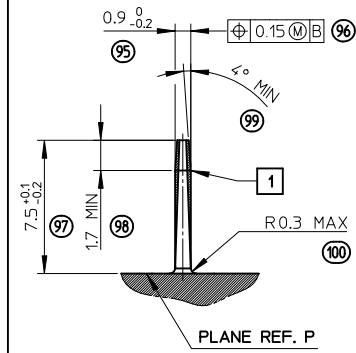
FOR OTHER DIMENSIONS
SEE TABS 1.5 DEFINITION



PROTECTION WALL DEFINITION

5:1

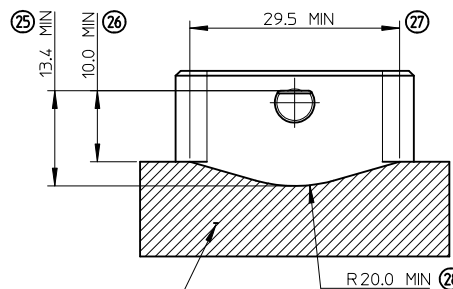
1: SHAPES ALLOWED



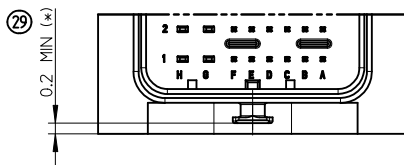
LOCKING AXIS PROTECTION

2:1

MANDATORY OVERTHICKNESS: dimension noted (*)
IF THE LOCKING AXIS ARE OUT OF
EQUIPMENT OVERALL DIMENSIONS.

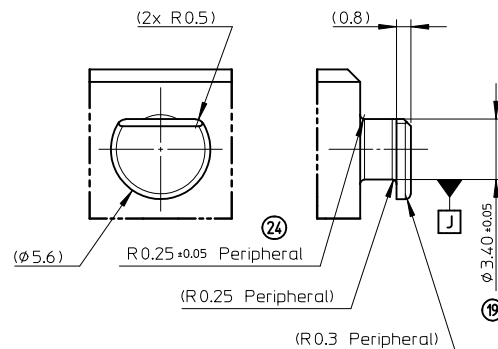


ADMISSIBLE SHAPES WITH OVERTHICKNESS 0.2 MIN (*)



LOCKING AXIS DEFINITION

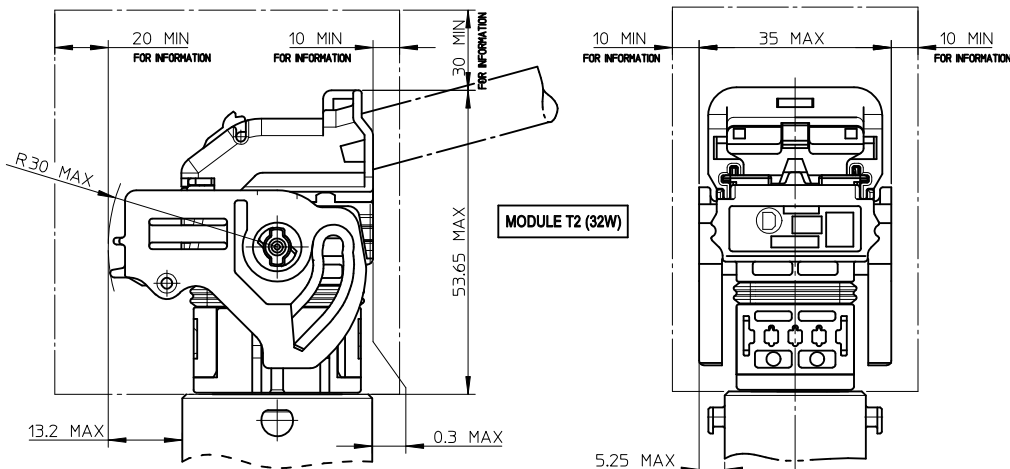
5:1



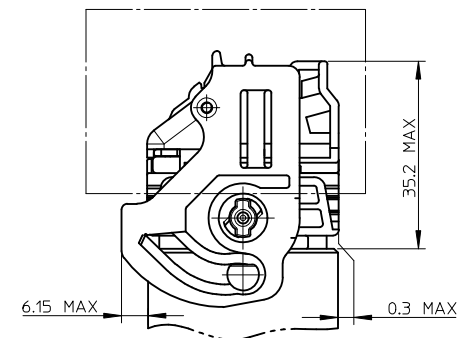
ENTER DESCRIPTION		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION	
EC NO: G2010-0220						DRAWN BY DATE		TITLE			
DRWN: P. DECELE 2010/05/20						G. DESBRUERES 2008/10/02		INTERFACES FOR CONNECTOR			
CHKD: J. GIURIATO 2008/10/03						CHECKED BY DATE		32 & 48 CKT CMC			
APPR: C. BOUCHAN 2010/06/29						J. GIURIATO 2008/10/03		GENERIC SALES DRAWING			
						APPROVED BY DATE		MOLEX MOLEX INCORPORATED			
						O. PLESSIS 2008/10/06					
				ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE		N/A		SD-98644-006		2 OF 3	
				MUST REMAIN		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				WITHIN DIMENSIONS		A2					

CONNECTOR ON HEADER - OVERALL DIMENSIONS

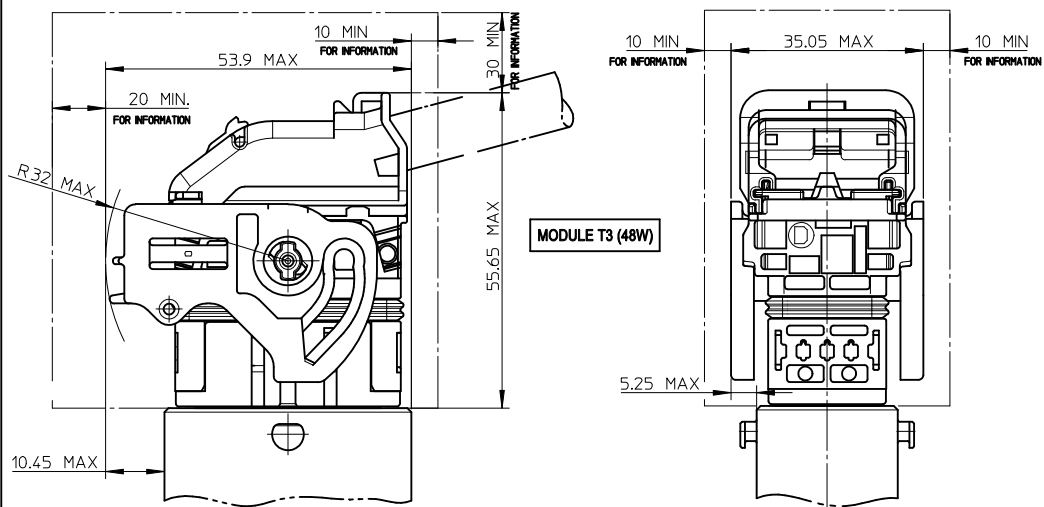
UNLOCKED CONNECTOR - OVERALL DIMENSIONS



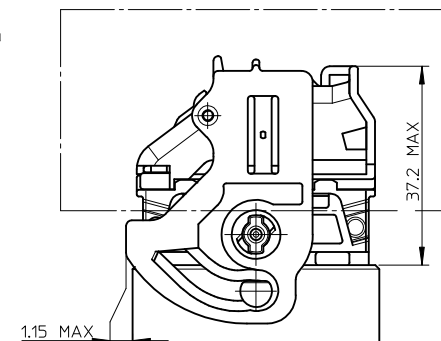
LOCKED CONNECTOR - OVERALL DIMENSIONS



UNLOCKED CONNECTOR - OVERALL DIMENSIONS



LOCKED CONNECTOR - OVERALL DIMENSIONS

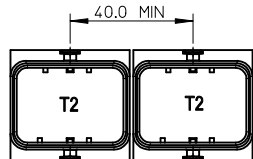


NOTE:
1- T2 = 32 WAY / T3 = 48 WAY

MULTI-HEADERS LAYOUT

LAYOUT FOR TWO INTERFACES T2 (32W)

FOR SAME HARNESS EXIT CONFIGURATION

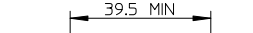


FOR OPPOSITE HARNESS EXIT CONFIGURATION



LAYOUT FOR TWO INTERFACES T2 (32W) AND T3 (48W)

FOR SAME HARNESS EXIT CONFIGURATION

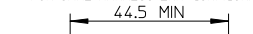


FOR OPPOSITE HARNESS EXIT CONFIGURATION



LAYOUT FOR TWO INTERFACES T3 (48W)

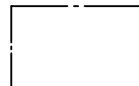
FOR SAME HARNESS EXIT CONFIGURATION



FOR OPPOSITE HARNESS EXIT CONFIGURATION



LEGEND:



FREE VOLUME FOR MANUAL LOCKING AND UNLOCKING
DIMENSIONS GIVEN FOR INFORMATION ONLY TO BE
CONFIRMED BASED UPON VEHICLE CONFIGURATION.

ENTER DESCRIPTION

EC NO: G2010-0220
DRAWN: P. DECELE 2010/05/20
CHKD: J. GIURIATO 2008/10/03
APPR: C. BOUCHAN 2010/06/29

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.10	± 0.004
3 PLACES	± 0.15	± 0.006
2 PLACES	± 0.20	± 0.008
1 PLACE	± 0.30	± 0.012
ANGULAR	± 2 °	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY

DRAWN BY	DATE
G. DESBRUERES	2008/10/02
CHECKED BY	DATE
J. GIURIATO	2008/10/03
APPROVED BY	DATE
O. PLESSIS	2008/10/06
MATERIAL NO.	

N/A

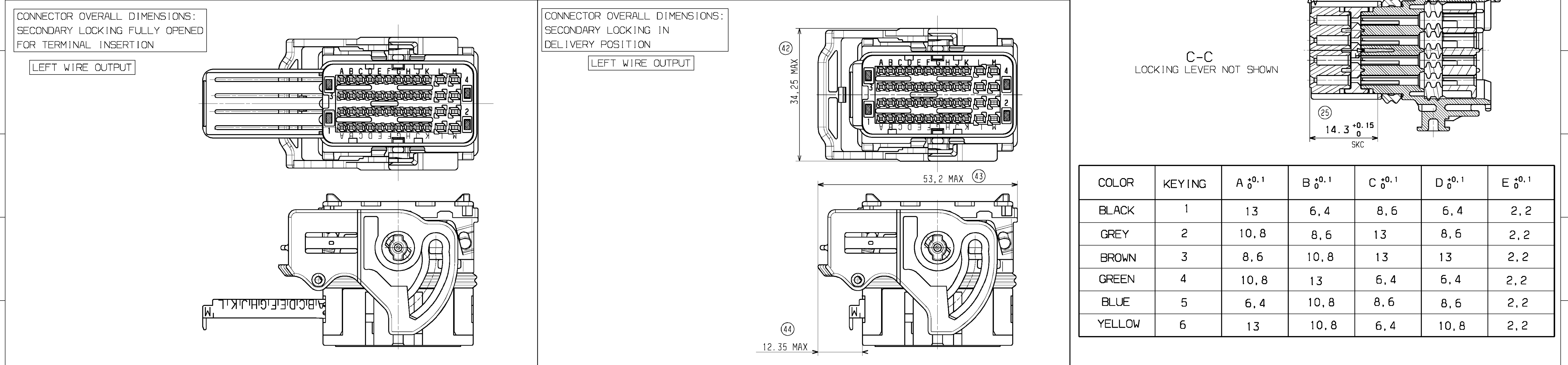
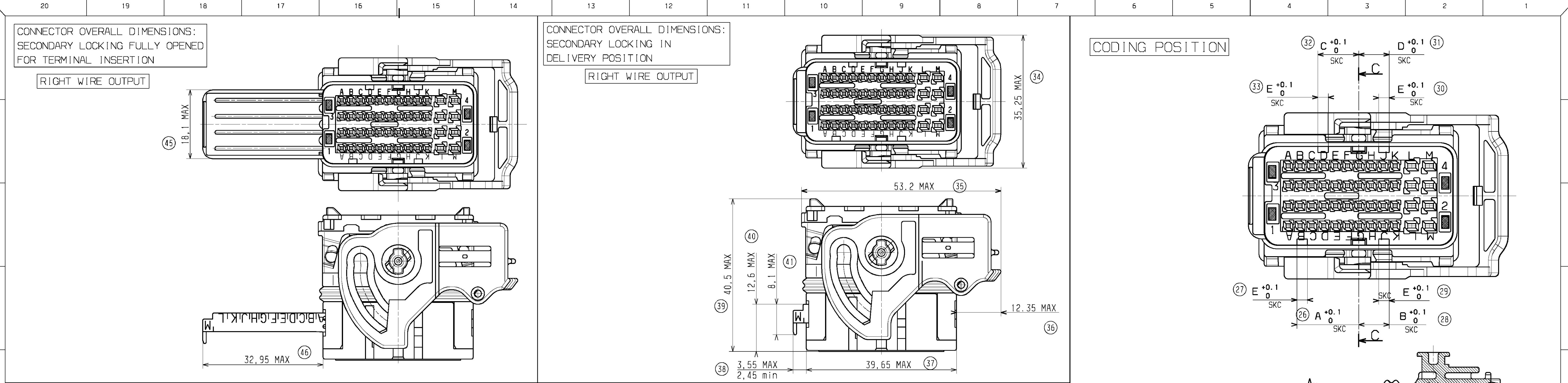
SCALE 1:1 DESIGN UNITS METRIC FIRST ANGLE PROJECTION

TITLE
INTERFACES FOR CONNECTOR
32 & 48 CKT CMC
GENERIC SALES DRAWING

MOLEX INCORPORATED

DOCUMENT NO. SD-98644-006

SHEET NO. 3 OF 3



CODING POSITION

C-C
LOCKING LEVER NOT SHOWN

COLOR	KEYING	A $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	B $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	C $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	D $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	E $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$
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
BLUE	5	6,4	10,8	8,6	8,6	2,2
YELLOW	6	13	10,8	6,4	10,8	2,2

TERMINALS USED

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
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

MOLEX PART NUMBER

TIN PLATED TERMINAL	GOLD PLATED TERMINAL 1.27µm min
(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
(1 mm2) 0643231029	(>1 to 2 mm2) 0643231039
(1 mm2) 0643231319	(>1 to 2 mm2) 0643231219

UPDATED DRAWING

EC NO:G2008-0367
DRWN:TBADAROUX 2008/04/21
CH:KO:PORANUCLAUDE 2008/04/21
APPR:CEBOUCHAN 2008/04/21

DESCRIPTION

REV C

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.1	±
1 PLACE	± 0.1	±
ANGULAR	± 2°	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

SCALE

2:1

DESIGN UNITS

METRIC

FIRST ANGLE PROJECTION

DRAWN BY

TBADAROUX

DATE

2007/07/16

CHECKED BY

PGRANDCLAUDE

DATE

2007/07/16

APPROVED BY

CBOUCHAN

DATE

2007/07/16

MATERIAL NO.

SEE SHEET 1

DOCUMENT NO.

SD-98993-008

SHEET NO.

2 OF 2

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SKC: CS CHARACTERISTICS

☒ DENOTES S.P.C DIMENSIONS

⊗ DENOTES CRITICAL DIMENSIONS

● DENOTES FUNCTIONAL DIMENSIONS

QUANTITY PER INDIVIDUAL SHEET

☒ 0 ⊗ 0 ● 0 SKC: 9