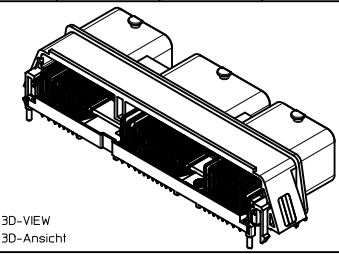


NOTES  
Bemerkungen

- GENERAL TOLERANCE ACC. DIN 16901 Group 130  
Allgemeintoleranz nach DIN 16901 Gruppe 130
- SEALING AREA (NO BURR, SCRATCHES, CONTAMINATION, SHRINK DEPENDENT WARPAGE AND TOOL SPLITTING LINES ALLOWED)  
Dichtbereich (Kein Grat, Kratzer, Verschmutzung, schwindungsbedingte Wandeinfälle und Werkzeugtrennlinien erlaubt)
- MATERIAL MARKING  
ADDITIONAL MARKING POSSIBLE  
e.g.: - CAVITY No.  
- MATERIAL No.  
- VERSION No.  
- TRACEABILITY MARKING (INK-JET OR LASERMARKING (SPECIAL PLASTIC MATERIAL NEEDED))  
- etc.  
Materialkennzeichnung  
Zusätzliche Kennzeichnungen möglich  
z.B.: - Nest Nr.  
- Teile Nr.  
- Versions Nr.  
- Rückverfolgbarkeitskennzeichnung (Tinten- oder Laserbedruckung (spezielles Kunststoffmaterial nötig))  
- etc.
- TOOLING SPLITTING LINES FOR AIR VENT (2x)  
Werkzeugtrennlinien zur Entlüftung (2x)
- COLOUR CODING ON INTERFACE  
Farbkodierung an der Schnittstelle
- MARKING FOR HARNESS DIRECTION: APPLY WHITE INK  
Kennzeichnung für Kabelabgangsrichtung: Verwendung weißer Tinte
- SUPPORT SURFACE PCB (10x)  
Aufgeflechte Leiterplatte (10x)
- MATES WITH CMC CONNECTOR 48CKT. AND 32CKT.  
Steckbar mit CMC Steckverbinder 48pol. und 32pol.  
MATERIAL NO'S:  
LEFT WIRE OUTPUT GREY CODING 643191218  
RIGHT WIRE OUTPUT BROWN CODING 643203319  
RIGHT WIRE OUTPUT BLACK CODING 643193211  
Teilenummern:  
Linker Kabelabgang graue Kodierung 643191218  
Rechter Kabelabgang braune Kodierung 643203319  
Rechter Kabelabgang schwarze Kodierung 643193211



**TECHNICAL PERFORMANCE CHARACTERISTICS**  
**Technische Leistungsmerkmale**

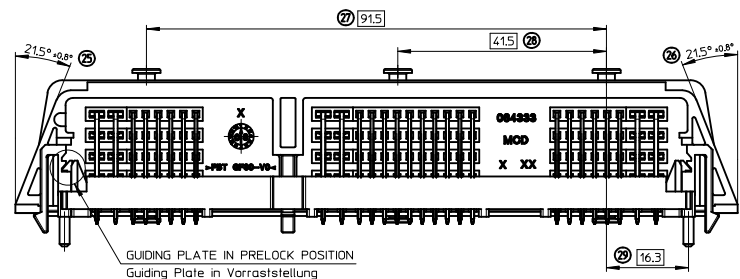
LOCKING FEATURES RETENTION FORCE AVERAGE: >260N  
THE LOWEST RETENTION FORCE VALUE >240N  
Durchschnittliche Haltekraft an den Verriegelungsdomen: >260N  
Der kleinste Wert darf 240N nicht unterschreiten

PIN AND TAB RETENTION AND TRACTION FORCES:  
Pin und Tab Druck- und Zughalterkräfte:

CONTACT Kontakt	SIZE [mm] Größe [mm]	RETENTION FORCES Haltekraft Druck
Pin	0.635x0.635	≥30N
Tab	1.5x0.8	≥60N

SOLDERABILITY:  
TESTING ACC. DIN IEC 60068-2-20 WITHOUT PRE-AGING  
Lötbarkeit:  
Durchführung nach DIN IEC 60068-2-20 ohne Voralterung

ALL FURTHER TECHNICAL PERFORMANCE CHARACTERISTICS ARE SHOWN IN PRODUCTS AND TEST SPECIFICATION OF THE RELEVANT FEMALE CONNECTORS -> PS-64319-001  
Alle weiteren Technischen Leistungsmerkmale entnehmen Sie den Produkt- bzw. Testspezifikationen der entsprechenden Steckverbinder -> PS-64319-001



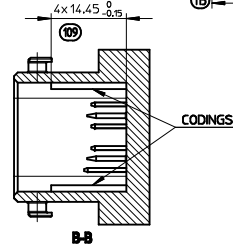
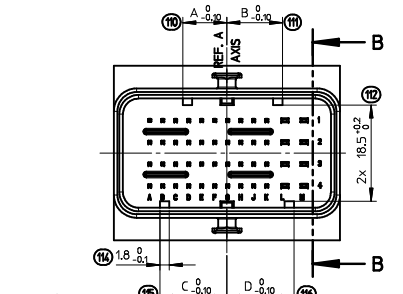
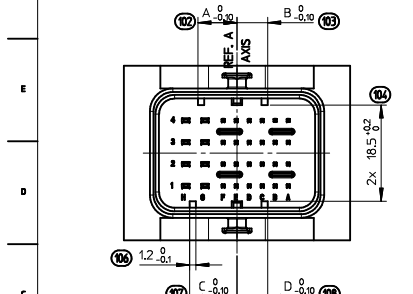
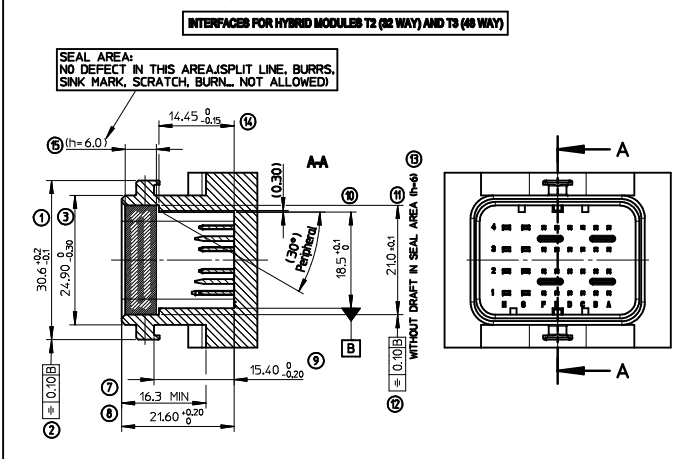
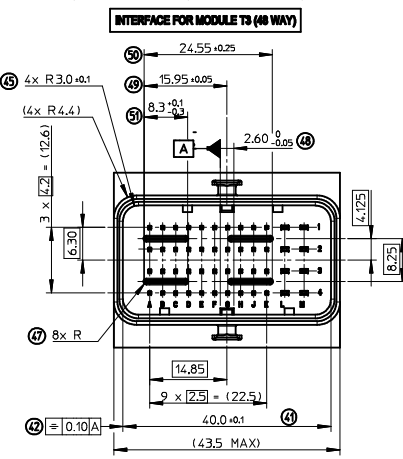
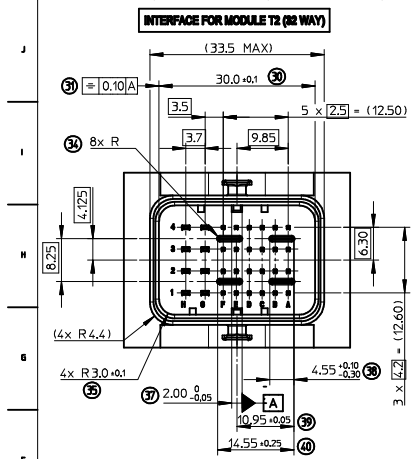
0643330100	MOLEX MATERIAL NO. / MOLEX Teile-Nr.
CMC Header Assy 112ckt.	DESCRIPTION / Benennung
83.5 g	WEIGHT MEASURED / GEWICHT GEMESSEN

ITEM Position	DESCRIPTION Benennung	MOLEX MAT.-NO. Molex Teile-Nr.	RAW MATERIAL Rohmaterial	BARRIER (overall) FINISH (overall) PLATING [µm] Beschichtung [µm]		UNIT Einheit	AMOUNT Menge
				MM ONLY	SCALE 2:1		
10	Pin 1.5 Row 4	500756-4024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	6
9	Pin 1.5 Row 3	500756-3024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	6
8	Pin 1.5 Row 2	500756-2024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	6
7	Pin 1.5 Row 1	500756-1024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	6
6	Pin 0.64 Row 4	500757-4024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	22
5	Pin 0.64 Row 3	500757-3024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	22
4	Pin 0.64 Row 2	500757-2024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	22
3	Pin 0.64 Row 1	500757-1024	CuZn30 R410	Ni 1.3-3.8	Sn 2-4	Piece	22
2	Guiding Plate	0643330002	PBT GF30-V0 blk	---	---	Piece	1
1	Housing	0643330010	PBT GF30-V0 blk	---	---	Piece	1

ENTER DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		DRAWN BY	DATE	TITLE
			mm	INCH			
ELEC NO: GCZ001-0027 DRAWN: TLIO CHKD: JGIUR IAD APPR: PBERG 2010/10/15 2010/10/18 2010/10/27	▽=0	4 PLACES ±	---	---	MBALZER	2008/08/04	CMC HEADER 112CKT. ASSEMBLED SOLDER VERSION
	▽=0	3 PLACES ±	---	---			
	▽=0	2 PLACES ±	---	---			
	▽=0	1 PLACE ±	---	---			
	▽=0	ANGULAR ±	---	---			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	1 OF 5	





**HEADERS CODINGS**

(CODING 2 SHOWN)

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

(CODING 3 SHOWN)

HEADERS 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

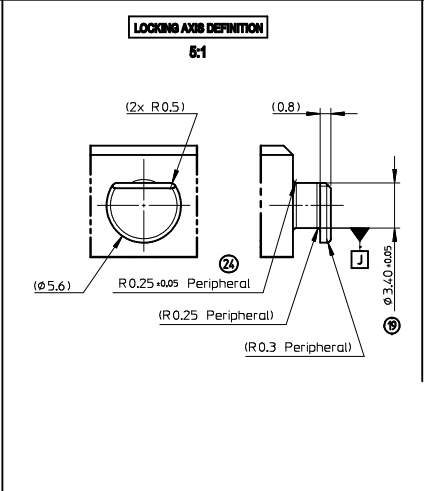
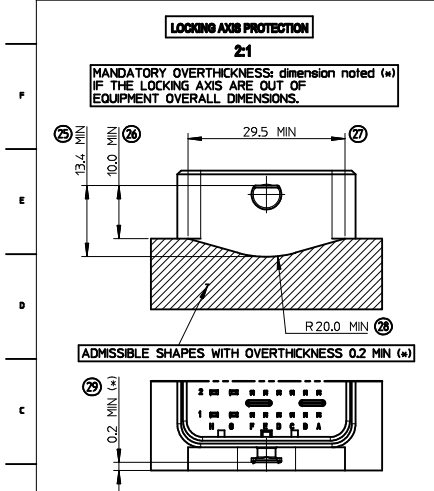
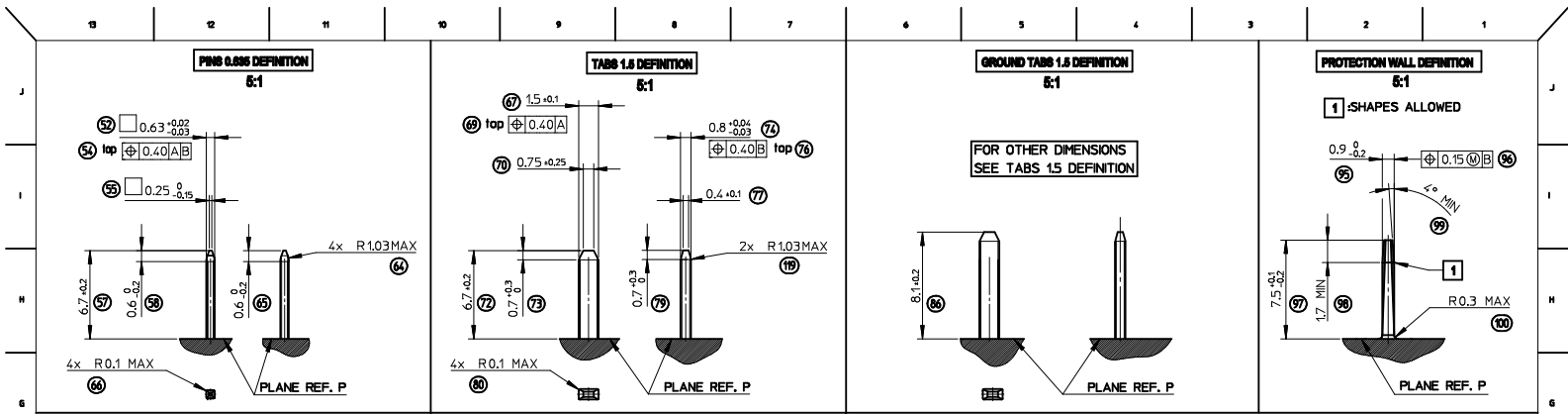
**NOTE:**  
 1- INTERFACE DEFINITION BASED ON NFR13-462 STANDARD.  
 2- HEADER ELASTICITY MODULUS: 8000Mpa min.  
 (INITIAL CONDITION BEFORE AGEING)

lb\_frame\_A2\_P\_AM\_F  
 Rev. F 2009/06/18

<b>ENTER DESCRIPTION</b> EC NO: 02010-0220 DRAWN: PECELE 2010/05/20 CHKD: J. GIURIATO 2008/10/03 APPR: BOUCHAN 2010/06/29	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	<input checked="" type="checkbox"/> FIRST ANGLE PROJECTION
	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.10 ± --- ANGULAR ± °	DRAWN BY G. DESBRUERES	DATE 2008/10/02	CHECKED BY J. GIURIATO	DATE 2008/10/03	TITLE <b>INTERFACES FOR CONNECTOR 32 &amp; 48 CKT CMC GENERIC SALES DRAWING</b>	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY PBERG		DATE 2010/10/27	MATERIAL NO. N/A		DOCUMENT NO. SD-98644-006	SHEET NO. 1 OF 1

<b>ENTER DESCRIPTION</b> EC NO: 02010-0027 DRAWN: TL00 2010/10/15 CHKD: J. GIURIATO 2010/10/18 APPR: PBERG 2010/10/27	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DRAWN BY MBALZER	DATE 2008/08/04	CHECKED BY JGIURIATO	DATE 2008/08/05	TITLE <b>CMC HEADER 112CKT. ASSEMBLED SOLDER VERSION</b>	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY PBERG		DATE 2010/10/27	MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-64333-100	SHEET NO. 3 OF 5

lb\_frame\_A2\_P\_AM\_T  
 Rev. F 2009/06/18

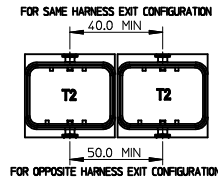


ENTER DESCRIPTION EC NO: G2010-0220 DRAWN: PECELLE 2010/05/20 CHKD: J. GIURIATO 2008/10/03 APPR: PBERG 2010/04/29	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE 1:1	DESIGN UNITS <b>METRIC</b>	FIRST ANGLE PROJECTION
		mm	INCH	DRAWN BY G. DESBRUERES 2008/10/02	DATE 2008/10/02	TITLE <b>INTERFACES FOR CONNECTOR 32 &amp; 48 CKT CMC</b>	
		4 PLACES ± --- ± ---		CHECKED BY J. GIURIATO 2008/10/03	DATE 2008/10/03	GENERIC SALES DRAWING	
		3 PLACES ± --- ± ---		APPROVED BY O. PLESSIS 2008/10/06	DATE 2008/10/06	MOLEX INCORPORATED	
		2 PLACES ± 0.10 ± ---		MATERIAL NO. N/A	DOCUMENT NO. SD-98644-006	SHEET NO. 2 OF 2	
		1 PLACE ± 0.10 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		ANGULAR ± 2 °		SIZE A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

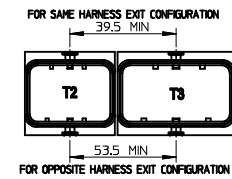
ENTER DESCRIPTION EC NO: GCA2011-0027 DRAWN: TLIO 2010/10/15 CHKD: J. GIURIATO 2010/10/18 APPR: PBERG 2010/10/27	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE 1:1	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY MBALZER 2008/08/04	DATE 2008/08/04	TITLE <b>CMC HEADER 112CKT. ASSEMBLED SOLDER VERSION</b>	
		4 PLACES ± --- ± ---		CHECKED BY J. GIURIATO 2008/08/05	DATE 2008/08/05	MOLEX INCORPORATED	
		3 PLACES ± --- ± ---		APPROVED BY PBERG 2010/10/27	DATE 2010/10/27	SHEET NO. 4 OF 5	
		2 PLACES ± --- ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		1 PLACE ± --- ± ---		SIZE A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		ANGULAR ± --- °		SEE SHEET 1 SD-64333-100			

# CONNECTOR ON HEADER - OVERALL DIMENSIONS

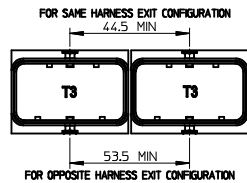
## LAYOUT FOR TWO INTERFACES T2 (32W)



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

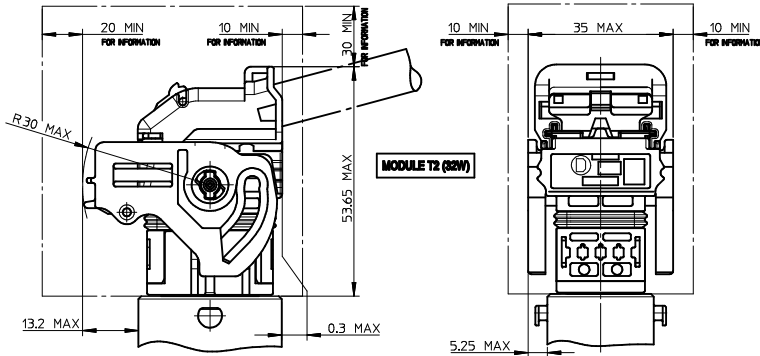


## LAYOUT FOR TWO INTERFACES T3 (48W)

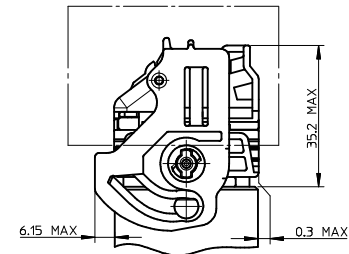


MULTI-HEADERS LAYOUT

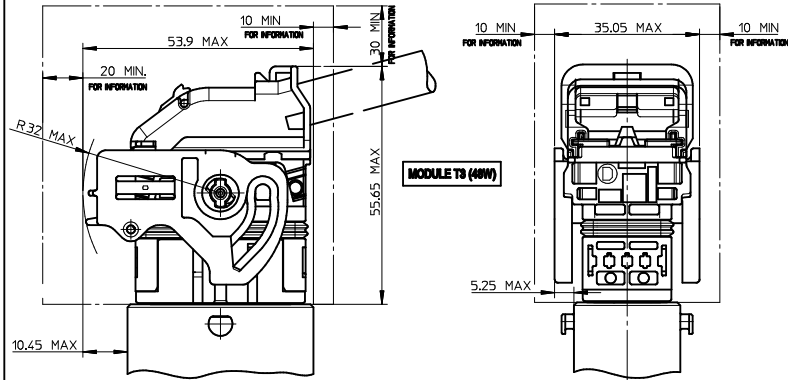
### UNLOCKED CONNECTOR - OVERALL DIMENSIONS



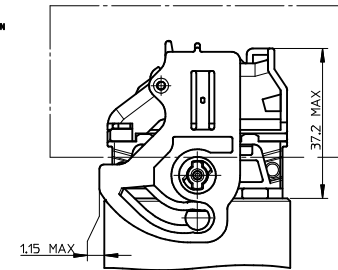
### LOCKED CONNECTOR - OVERALL DIMENSIONS



### UNLOCKED CONNECTOR - OVERALL DIMENSIONS



### LOCKED CONNECTOR - OVERALL DIMENSIONS



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

**LEGEND:**



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

ENTER DESCRIPTION	REV	DATE
EC NO: G2010-0220		2010/05/20
DRWN:MPACHELE		2010/05/20
CHKD:J.GIURIATO		2008/10/03
APPR:BOUCHAN		2010/06/29

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION	
		MM ONLY		1:1	METRIC		
4 PLACES	± 0.10	mm	INCH	DRAWN BY	DATE	TITLE	
3 PLACES	± 0.10			G. DESBRUERES	2008/10/02	INTERFACES FOR CONNECTOR	
2 PLACES	± 0.10			J. GIURIATO	2008/10/03	32 & 48 CKT CMC	
1 PLACE	± 0.10			O. PLESSIS	2008/10/06	GENERIC SALES DRAWING	
ANGULAR ± 2°				MATERIAL NO.		DOCUMENT NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				N/A		SD-98644-006	
				SHEET NO.		3 OF 3	

fb\_frame\_A2\_P\_AM\_F  
Rev. F 2009/06/18

ENTER DESCRIPTION	REV	DATE
EC NO: GCA2011-0027		2010/10/15
DRWN:TLUO		2010/10/18
CHKD:J.GIURIATO		2010/10/18
APPR:PBERG		2010/10/27

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		2:1	METRIC		
▽=0		4 PLACES	± 0.10	mm	INCH	DRAWN BY	DATE	TITLE	
▽=0		3 PLACES	± 0.10			MBALZER	2008/08/04	CMC HEADER 112CKT.	
▽=0		2 PLACES	± 0.10			JGIURIATO	2008/08/05	ASSEMBLED	
		1 PLACE	± 0.10			PBERG	2010/10/27	SOLDER VERSION	
		ANGULAR ± 0.05				MATERIAL NO.		DOCUMENT NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 1		SD-64333-100		SHEET NO.	
				SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		5 OF 5	

fb\_frame\_A2\_P\_AM\_T  
Rev. F 2009/06/18