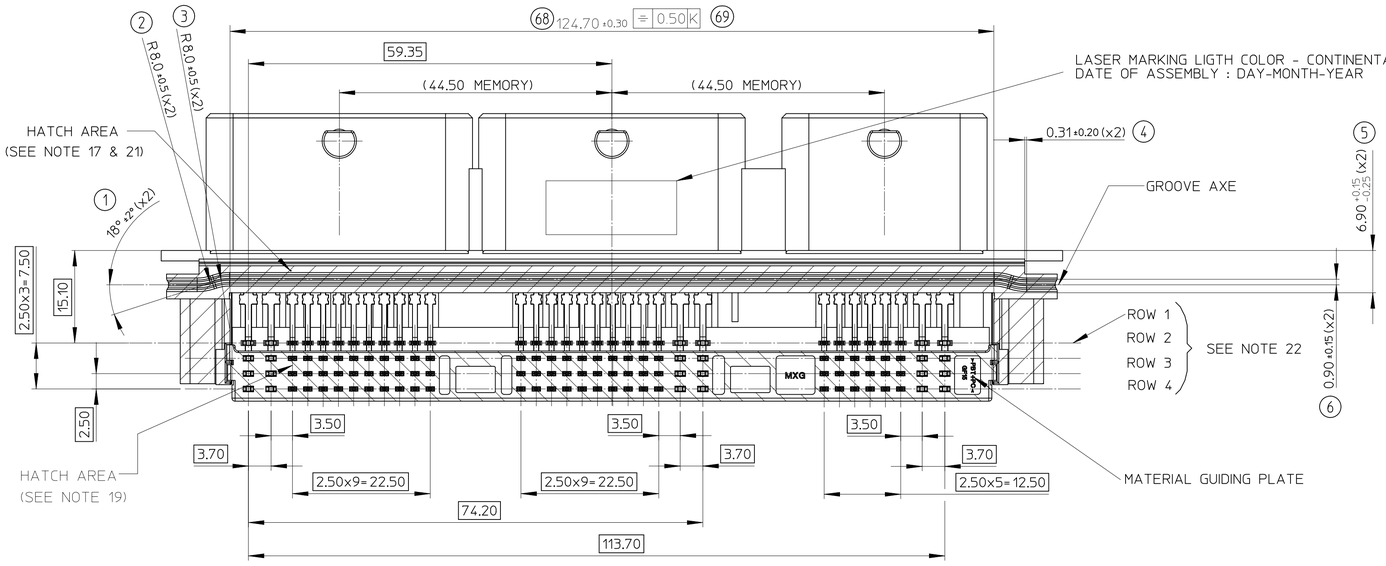

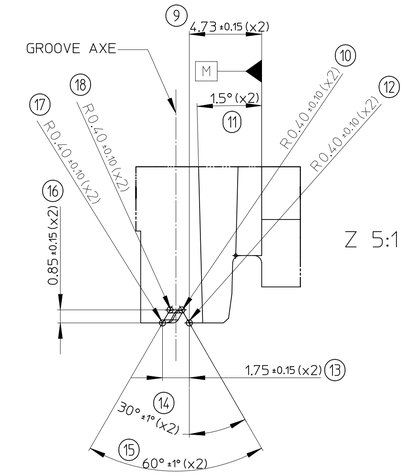

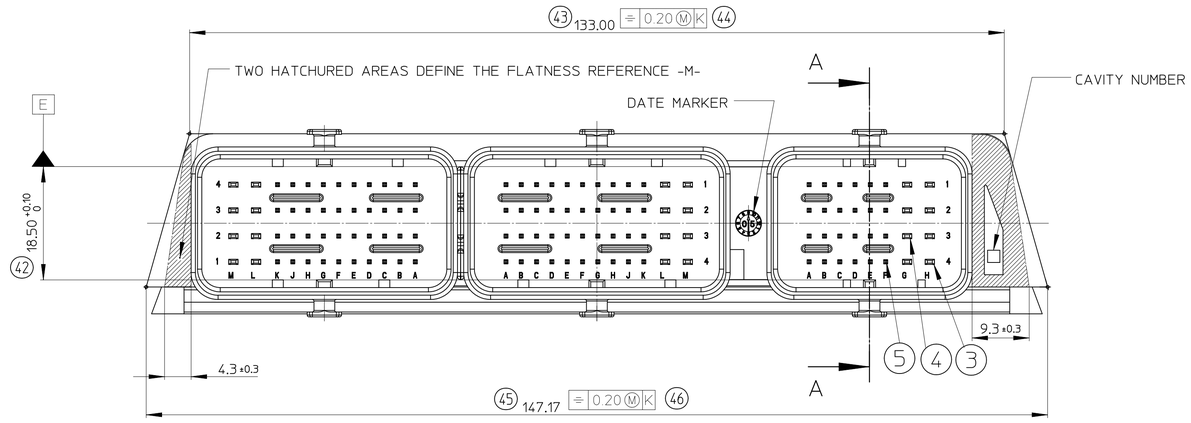

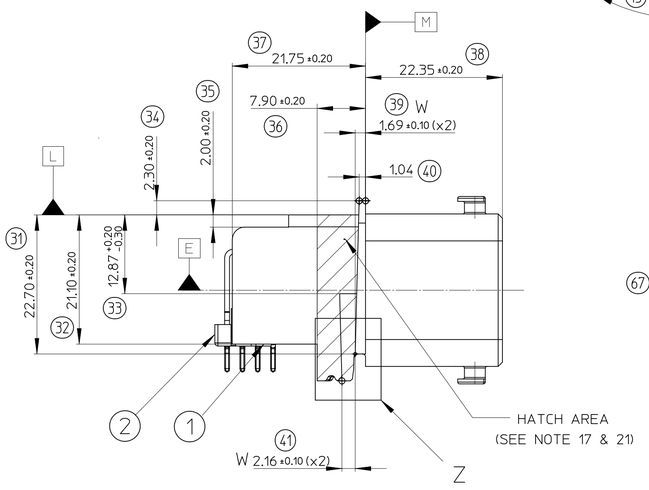

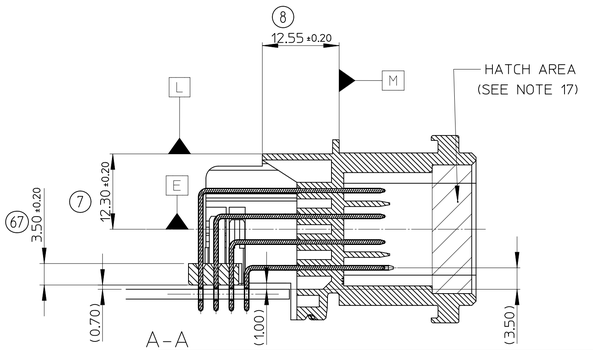

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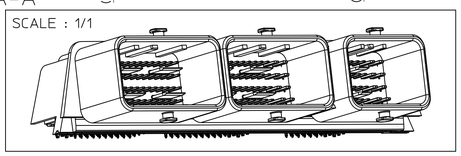
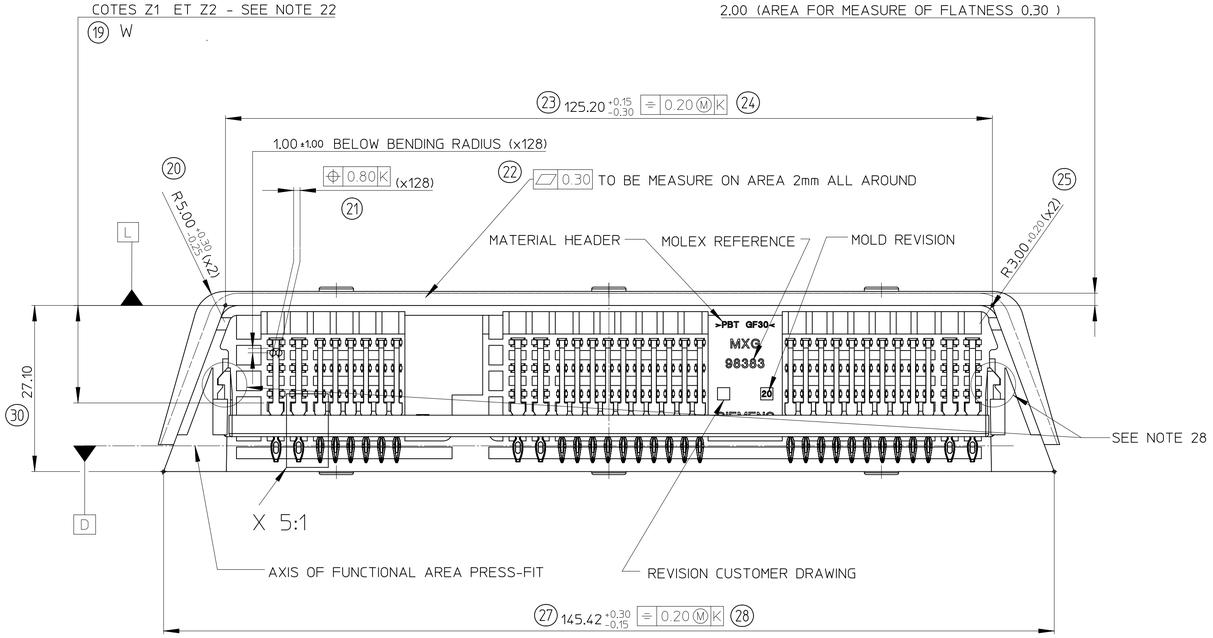




FUNCTIONAL CHARACTERISTICS CHART	
(SPC) STATISTICAL PROCESS CONTROL	(SPC) = 0
CUSTOMER CRITICAL CARACTERISTICS	D = 0
OTHER CRITICAL CARACTERISTICS	W = 3

DATE	IND	REVISION
2011-03-29	12	MODIFICATION GRID CONTACT HOLE - SHEET 2: NOTE NUMBER CHANGED - REMOVED NOTE 22 - TO MODIFIED NOTE 6 - 19 - 22 & 23 - ADDED NOTE 29 TO 31 - SHEET 3: DEVIATION RSA CHART: INSPECTION NUMBER CHANGED, SHEET 4: TO CHANGE LOCALIZATION FROM 1.00 TO 0.80 - SHEET 1, 2 and 3: REMOVED FRENCH TEXT
2010-08-30	11	MODIFICATION GRID CONTACT HOLE - UPDATE NOTE SHEET 2 AND DEVIATION CHART SHEET 3 - ADDED SHEET 4.
2008-10-20	10	SHEET 2: ADDED NOTA 29.
2008-04-30	9	TO REDUCE PLAY BETWEEN THE GUIDING PLATE HOOK AND HEADER.
2008-03-07	8	SHEET 1: TO MODIFY TOL. POS. 5-20-23-27 - SHEET 2: TO MODIFY NOTE 11, 21 & 28 - ADDED SHEET 3.
2007-04-19	7	SHEET 2: CHANGE SPEC. NUMBER FOR NOTE 2 & 11.
2007-01-30	6	UPDATE FOLLOWING CUSTOMER REQUEST.
2006-10-24	5	ADDED SHEET 2, UPDATE FOLLOWING CUSTOMER REQUEST.
2006-06-02	4	ADDED RIBS ON FRONT SIDE SUPPRESS WHITE PAINT
2006-04-18	3	UPDATE NOTE 8
2006-03-16	2	UPDATE SPC & FUNCTIONAL DIM
2005-12-05	1	FIRST RELEASE

MOLEX P/N	CONTINENTAL P/N	POS.	Qty	DESIGNATION	MATERIAL	COLOUR	PLATING	WEIGTH
0983831010	A2C53186083	5	104	PIN 0.63	CuZnSn		CONTACT AREA: 1 to 3.3µm matt Tin 100% over 1.25µm min Nickel. INTERMEDIATE AREA: 0.5 to 1.0 µm Nickel. PRESS-FIT AREA: 0.4 to 1.5µm matt Tin 100% over 0.5 to 1.3µm min Nickel.	87.50 g
		4	18	POWER PIN 1.5	CuSn5			
		3	6	GROUND PIN 1.5	CuSn5			
		2	1	GUIDING PLATE	>PBT+PC-GF15<	BLACK		
		1	1	HEADER	>PBT-GF30<	BLACK		

MODIF. GRID CKT HOLE 2010/12/08
EC NO: G2011-0196 2010/12/08
DRWN:P.GRANDCL CHKD:MANDRE 2011/06/15
APPR.: JDUCLOS DESCRIPTION
REV 12

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

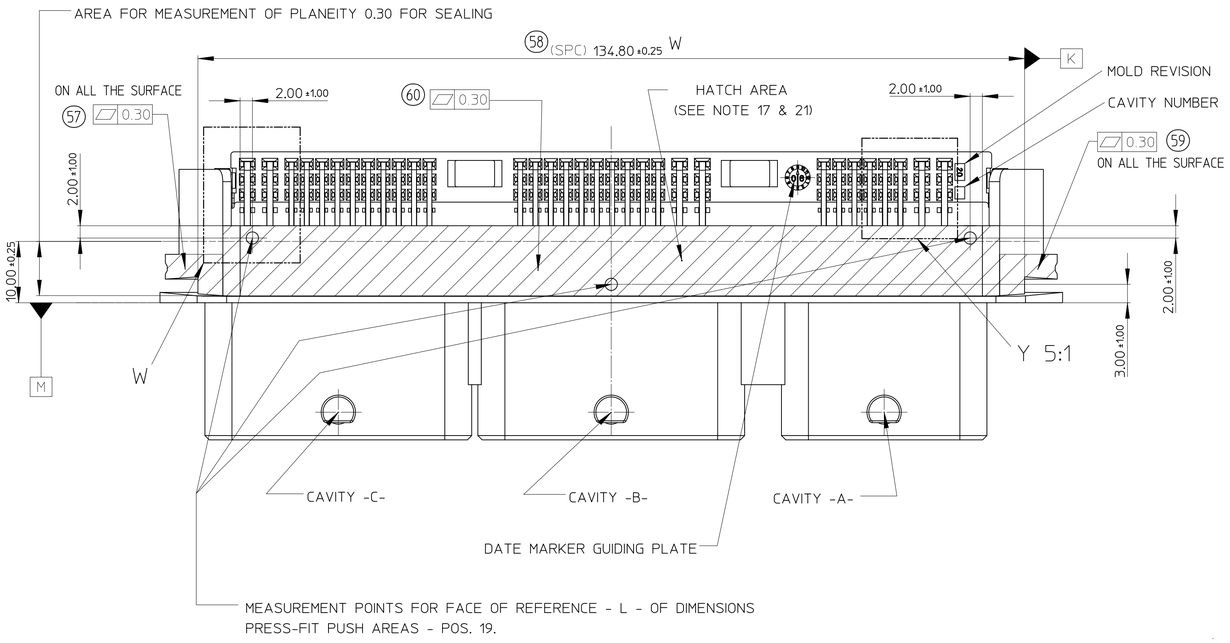
DRAWN BY: M.ANDRE DATE: 2005/10/25
CHECKED BY: P.GRANDCLAUD DATE: 2005/10/25
APPROVED BY: CBOUCHAN DATE: 2010/11/16

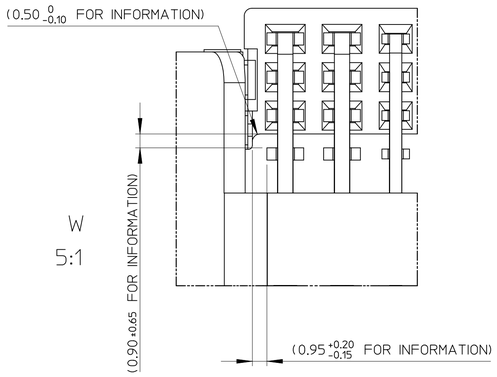
TITLE: CMC HDR ASSY RA 128CKT PRESS-FIT

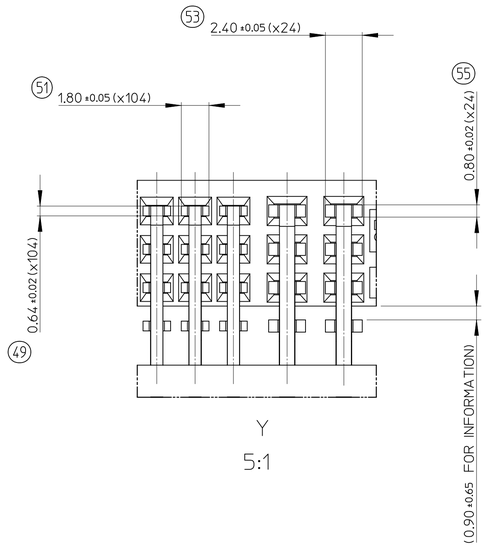
MOLEX INCORPORATED

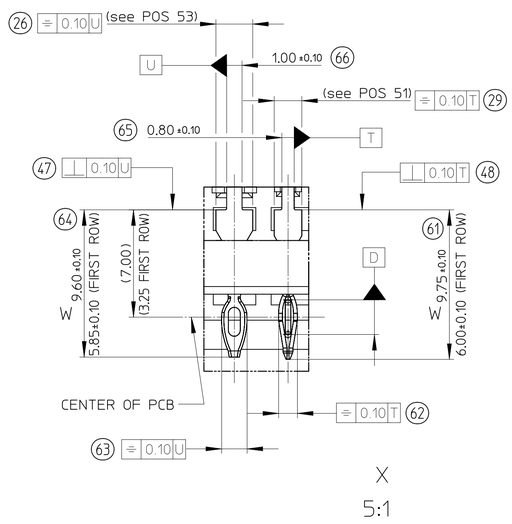
MATERIAL NO.: 0983831010
DOCUMENT NO.: RSD-98383-010
SHEET NO.: 1 OF 4

SIZE A1









FUNCTIONAL CHARACTERISTICS CHART	
(SPC) STATISTICAL PROCESS CONTROL	(SPC) = 1
CUSTOMER CRITICAL CARACTERISTICS	D = 6
OTHER CRITICAL CARACTERISTICS	W = 7

NOTES:

1- THE SUPPLIER MUST FULFIL GENERAL QUALITY AGREEMENT FOR AUTOMOTIVE SUPPLIERS: A2C00022907.
2- THIS COMPONENT MUST FULFIL SOLDERABILITY TESTING GENERAL SPECIFICATION FOR MECHANICAL AND ELECTRICAL COMPONENTS: S 209 425 000.
- THIS COMPONENT MUST FULFIL PARTICULAR SPECIFICATION: S 209 425 100 A
3- SHAPE AND POSITION ALLOWANCES ACCORDING TO: NF E 04 552.
4- RADIUS WITHOUT DIMENSIONS: R 0.5 ±0.15.
5- MATERIAL: SEE CHART SHEET 1.
6- CRITICAL CARACTERISTICS: CARACTERISTICS "D": CUSTOMER - CARACTERISTICS "W": OTHERS
INITIAL CAPABILITY ON "W" AND "D" CARACTERICTICS - FOR POS. 77 TO 80 AND 82 TO 85 (CAPABILITIES FOR INFORMATION ONLY ON PINS A1/C2/F3/H4 OF CAVITY A, ON PINS A4/E3/J2/M1 OF CAVITY B AND ON PINS A1/E2/J3/M4 OF CAVITY C).
7- COMPONENT MUST BE CHECKED USING SPECIFICATION S261000623.
8- FOR CHECKING DIMENSIONS, THE PART IS LOCATED ACCORDING TO THE REFERENCES K, L, M.
9- PRESS-FIT PIN MUST RESPECT IEC60352-5 NORM.
10- MARKING: CONTINENTAL LOGO, MATERIAL, MOULD N° / MOULD CAVITY N°, MOLDING DATE (housing + grid).
CONTINENTAL PART REFERENCE + ASSEMBLY DATE (location to be define).
11- THE PACKAGING OF THE COMPONENT IS DESCRIBED IN SPECIFICATIONS SN 55 22 8-1, SN 55 22 8-2, TLS 223 964 001 AND PARTICULAR RPK-98383-010.
12- CONNECTOR INTERFACE DEFINITION ACCORDING TO DRAWING RSA 7 710 001 079 C AND NF R 13-462:
CODING: CAVITY A: ACCORDING TO KEY 1 OF T2 MODULE (BLACK).
CAVITY B: ACCORDING TO KEY 3 OF T3 MODULE (BROWN).
CAVITY C: ACCORDING TO KEY 1 OF T3 MODULE (GREY).
- CHARACTERISTIC DIMENSION LIST ON THE <CUSTOMER INTERFACE>:
- LOCALIZATION 0.4 ON THE TOP OF SIGNAL PINS, CAPABILITY ON 4 PINS PER CMC CAVITY AND PER MOLD CAVITY (ON PINS A1/C2/F3/H4 OF CAVITY A,
D ON PINS A4/E3/J2/M1 OF CAVITY B AND ON PINS A1/E2/J3/M4 OF CAVITY C) + 100% PRODUCTION CONTROL.
- LOCALIZATION 0.4 ON THE TOP OF POWER PINS, CAPABILITY ON 4 PINS PER CMC CAVITY AND PER MOLD CAVITY (ON PINS A1/C2/F3/H4 OF CAVITY A, ON PINS A4/E3/J2/M1 OF CAVITY B AND ON PINS A1/E2/J3/M4 OF CAVITY C) + 100% PRODUCTION CONTROL.
D - SEALING DIM. 21,00, CAPABILITY ON 6 MEASURE PER CMC CAVITY AND PER MOLD CAVITY (O PLANE OF SPEC. S261000623)
+ PRODUCTION CONTROL PER DEDUCTION - MEASURE TO 1 POINT.
D - SYMMETRY 0.1 FOR DIM. 21,00, CAPABILITY ON 6 MEASURE PER CMC CAVITY AND PER MOLD CAVITY (O PLANE OF SPEC. S261000623)
+ PRODUCTION CONTROL PER DEDUCTION - MEASURE TO 1 POINT.
D - SEALING DIM. 30,00 AND 40,00, CAPABILITY ON 6 MEASURE PER CMC CAVITY AND PER MOLD CAVITY (O PLANE OF SPEC. S261000623)
+ PRODUCTION CONTROL PER DEDUCTION.
D - SYMMETRY 0.1 FOR DIM. 30,00 AND 40,00, CAPABILITY ON 6 MEASURE PER CMC CAVITY AND PER MOLD CAVITY (O PLANE OF SPEC. S261000623)
+ PRODUCTION CONTROL PER DEDUCTION.
D - GUIDING 18.5, CAPABILITY ON 2 MEASURE PER CMC CAVITY AND PER MOLD CAVITY M PLANE OF SPEC. S216000623) + PRODUCTION CONTROL PER DEDUCTION.
13- RETENTION FORCE FOR 1.5 X 0.8 PINS: >80N.
RETENTION FORCE FOR 0.63 X 0.63 PINS: >40N.
14- TREATMENT: SEE CHART SHEET 1.
15- 6 GROUND PINS (L1, M1: CAVITY C) (L4, M4: CAVITY B) (G4, H4: CAVITY A).
16- MATERIAL VOLUME: HOUSING: 36 cm3 (AVERAGE) FOR INFO - GRID: 2.5 cm3 (AVERAGE) FOR INFO.
17- COMPONENT MUST BE FREE FROM BURR, CRACK AND OTHER SURFACE BLENISHE.
18- ELECTRICAL CONTINUITY MANDATORY ON EACH PIN AND NO SHORT CUT ALLOWED BETWEEN PIN, 100% PRODUCTION CONTROL.
19- ALL SHAPE NOT SIZE MUST BE TO ±0.30 IN PROFIT TO 3D: EM-98383-010 revision 8 (file STP) AND EM-98383-020 revision 6 (file STP).
20- MATERIAL INFORMATION MUST BE ENTERED AND MAINTAIN IN THE INTERNATIONAL DATA SYSTEM (IMDS) ACCORDING TO THE SPECIFICATION TLS251145001.
21- SURFACE TENSION MEASURE - 32mN/m - IN THE SEALING AREAS.
W 22- DIMENSION Z1 = 15.90 ±0.30 (x32) FOR ROW N° 2 AND 15.90 ±0.40 (x64) FOR ROWS N° 3 - 4 - CAPABILITIES FOR INFORMATION ON PINS A1/C2/F3 OF CAVITY A, ON PINS E3/J2/M1 OF CAVITY B AND ON PINS E2/J3/M4 OF CAVITY C - PRODUCTION CONTROL 100% IN PIN EXTREMITY.
DIMENSION Z2 = 19.65 ±0.30 (x32) FOR ROW N° 1 - CAPABILITIES FOR INFORMATION ON PINS H4 OF CAVITY A, ON PINS A4 OF CAVITY B AND ON PINS A1 OF CAVITY C - PRODUCTION CONTROL 100% IN PIN EXTREMITY.
23- THE HOLES OF GUIDING PLATE WILL BE ADJUSTED TO ENSURE THE LOCALIZATION DIMENSION 0.80 K M NECESSARY TO SATISFY ASSEMBLY ON PCB (SEE SHEET 4).
24- FUNCTIONAL AREA PRESS-FIT PIN 0.63 FOLLOWING DRAWING RSD-34481-001 revision C.
FUNCTIONAL AREA PRESS-FIT PIN 1.50 FOLLOWING DRAWING RSD-78007-014 revision C.
W 25- LIST OF DIMENSIONS SUBJECTED TO CAPABILITIES ON DRAWING PRESS-FIT (PRODUCTION CONTROL 100%):
RSD-34481-001: POS. 3 - 9 - 11 - 12.
RSD-78007-014: POS. 3 - 9 - 11 - 12.
W 26- THICKNESS CONTROL TINNING NICKEL AND TIN PER CONTACT TYPE AND PER LENGHT (PRODUCTION CONTROL).
W 27- ELASTICITY CONTROL OF PRESS-FIT CONTACT (PRODUCTION CONTROL): FOR 0.6 SIGNAL PINS: - MIN. HOLE SIZE: MAX. VALEUR 70N. - MAX. HOLE SIZE: MIN. VALUE 35N.
FOR 1.5 POWER PINS: - MIN. HOLE SIZE: MAX. VALUE 70N. - MAX. HOLE SIZE: MAX. VALUE 35N.
28- FOR INFORMATION, CONTACT GUIDING PLATE/HEADER TO GUARANTEE TO CLIPPAGE LEVEL FOR NOT TO GENERATE SOUND AFTER CONNECTOR PRESSFITAGE.
29- PRODUCT TO BE QUALIFIED IN ACCORDING TEST SPECIFICATION RTS-98383-001 REV. 3 AND DVPR 1154 REV. B5.
30- FOR INFORMATION, DIMENSIONS OF THE PINS GUIDING PLATE HOLES FOLLOWING DRAWING E-98383-012 rev. 9.
31- DIMENSIONS POS. 77 TO 80 AND 82 TO 85: 100% PRODUCTION CONTROL

UPD. REV. FOL. REVISION SHT 1
EC NO: G2011-0196 2010/12/08
DRWN:PGRANDCL 2010/12/08
CHKD:MANDRE 2011/06/15
APPR.: JDUCLOS
DESCRIPTION
12
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

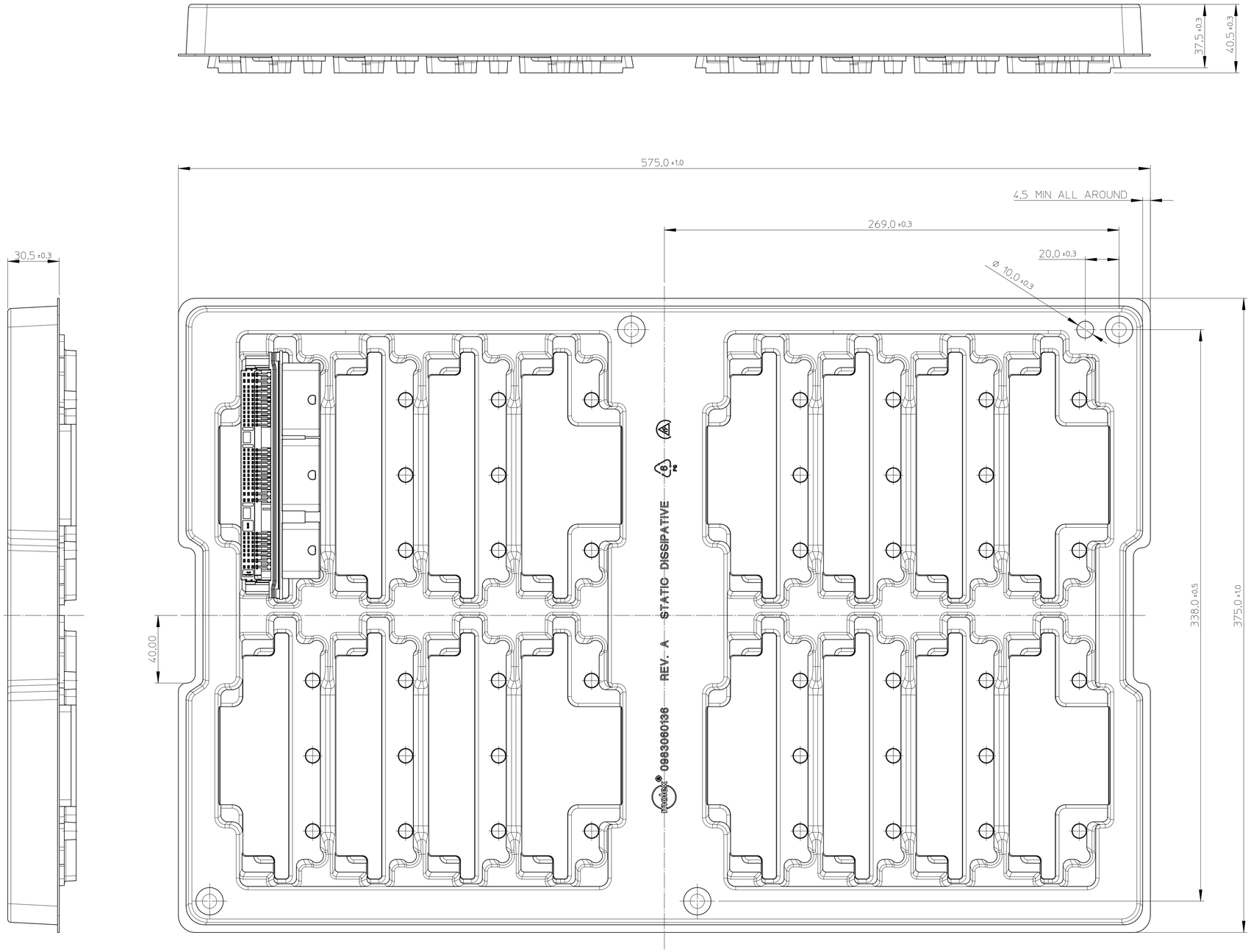
DRAWN BY: M.ANDRE DATE: 2005/10/25
CHECKED BY: P.GRANDCLAUD DATE: 2005/10/25
APPROVED BY: CBOUCHAN DATE: 2010/11/16
MATERIAL NO.: 0983831010

TITLE: CMC HDR ASSY RA 128CKT PRESS-FIT

molex MOLEX INCORPORATED

DOCUMENT NO.: RSD-98383-010
SHEET NO.: 2 OF 4

SIZE A1



TRAY THICKNESS: 1.2 ±0.1 mm.
ASSOCIATED LID: 0983060137. THICKNESS 0.6 ±0.1 mm.

ALLOWED DEVIATIONS ON RSD-98383-010		
LOCALIZATION	DRAWING DIMENSION	DIM. ACCEPTED
7	12.30 +/- 0.20	12.30 +0.20/-0.45
9	4.73 +/- 0.15	4.73 +0.15/-0.45
10	R 0.40 +/- 0.10	0.20 TO 0.60
12	R 0.40 +/- 0.10	0.20 TO 0.60
14	A 30° +/- 1°	25.00° TO 35.50°
15	A 60° +/- 1°	54.00° TO 64.00°
17	R 0.40 +/- 0.10	0.20 TO 0.60
18	R 0.40 +/- 0.10	0.20 TO 0.60
41	2.16 +/- 0.10	2.16 +0.20/-0.10

ALLOWED DEVIATIONS ON RSA : 7710 001 079 - D					
LOCALIZATION		DRAWING DIMENSION		ALLOWED DIMENSION ON PIECE	
M2	M1	M2	M1	M2	M1
14	1	43.5 MAX	33.5 MAX	43.6 MAX	
16		SYM. 0.10/D (+/-0.05)		SYM. 0.20	
15		40 +/-0.10	30 +/-0.10	40 +0.13/-0.10	
17	4	SYM. 0.10/A or D (+/-0.05)		SYM. 0.25	SYM. 0.25
25	12	R 4.4 +/-0.10		4.4 +0.60/-0.25	4.4 +0.60/-0.25
	13	R 3 +/-0.10			3.00 +0.10/-0.20
22		8.3 +0.10/-0.30		8.3 +0.15/-0.30	
45	45	14.375 +/-0.075 (0.15/C or R)		14.375 +0.09/-0.075	14.375 +0.09/-0.075
56	55	SYM. 0.10/B or E (+/-0.05)		SYM. 0.23	SYM. 0.23
58	58	24.90 0/-0.30		24.9 +0.05/-0.30	24.9 +0.05/-0.30
41	41	21.7 +/-0.10 (0.20/C or R)		21.7 +0.15/-0.20	21.7 +0.15/-0.20
	53	SYM. 0.10/B (+/-0.05)			SYM. 0.20
48	48	21 +/-0.10		21 +0.20/-0.25 EN FOND DE CAVITE IN BOTTOM OF CAVITY	21 +0.20/-0.25 EN FOND DE CAVITE IN BOTTOM OF CAVITY
49	50	SYM. 0.10/B or E (+/-0.05)		SYM. 0.27	SYM. 0.27
47	47	18.5 +0.10/0		18.5 +0.20/-0.05	18.5 +0.20/-0.05
	121	SYM. 0.10/B (+/-0.05)			SYM. 0.17 EN FOND DE CAVITE IN BOTTOM OF CAVITY
128	122	18.5 +0.10/0		18.5 +0.25/-0.04	18.5 +0.25/-0.04
127		SYM. 0.10/E (+/-0.05)		SYM. 0.21	
169	169	7.45 +/-0.15		7.45 +0.21/-0.15	7.45 +0.21/-0.15
147	147	CH 0.40x45°		R 0.40	R 0.40
DETAIL POSITION OF TAB LOCALIZATION ON BOTTOM OF CONTACT: LOC 0.20 LOCALIZATION ON TOP OF CONTACT: LOC 0.40				ALLOWED LOCALISATION 0.32 ON BOTTOM *ACCEPTED CAPABILITIES, SEE PPAP DOCUMENT*	

UPD. REV. FOL. REVISION SHT 1
EC NO: G2011-0196 2010/12/08
DRWN:PGRANDCL 2010/12/08
CH'KD:MANDRE 2011/06/15
APPR: JDUCLOS
DESCRIPTION
REV
12

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1.33
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

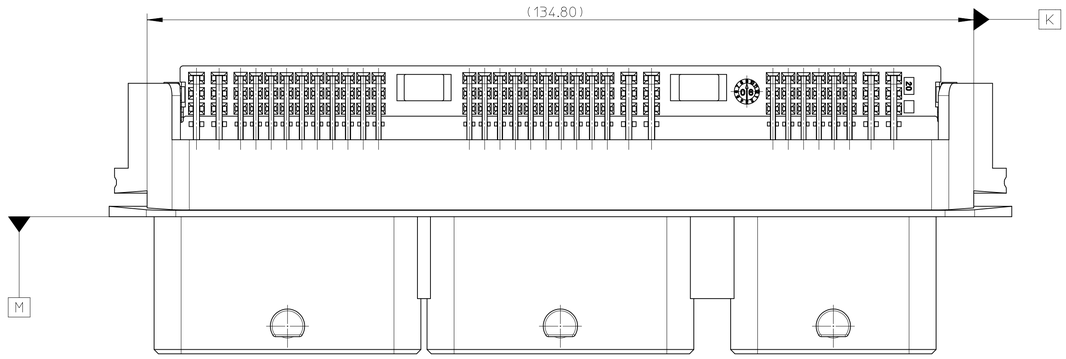
DRAWN BY: M.ANDRE DATE: 2005/10/25
CHECKED BY: P.GRANDCLAUD DATE: 2005/10/25
APPROVED BY: CBOUCHAN DATE: 2010/11/16

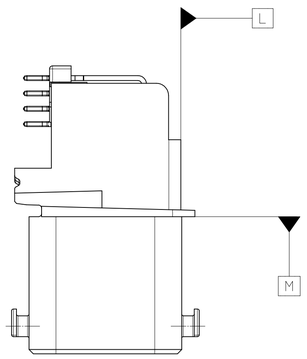
TITLE: CMC HDR ASSY RA 128CKT PRESS-FIT

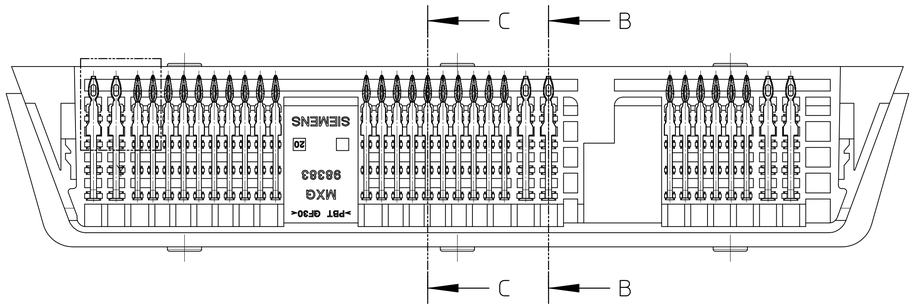
MOLEX INCORPORATED

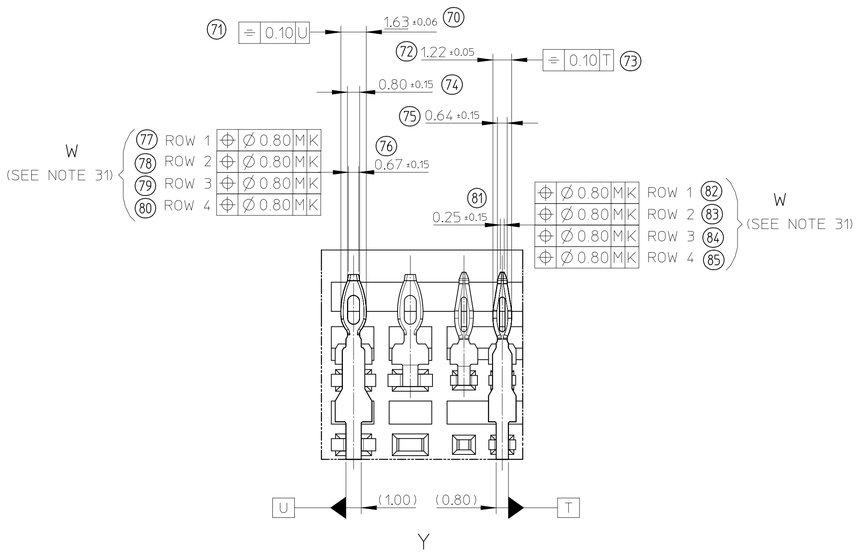
MATERIAL NO.: 0983831010
DOCUMENT NO.: RSD-98383-010
SHEET NO.: 3 OF 4

SIZE A1









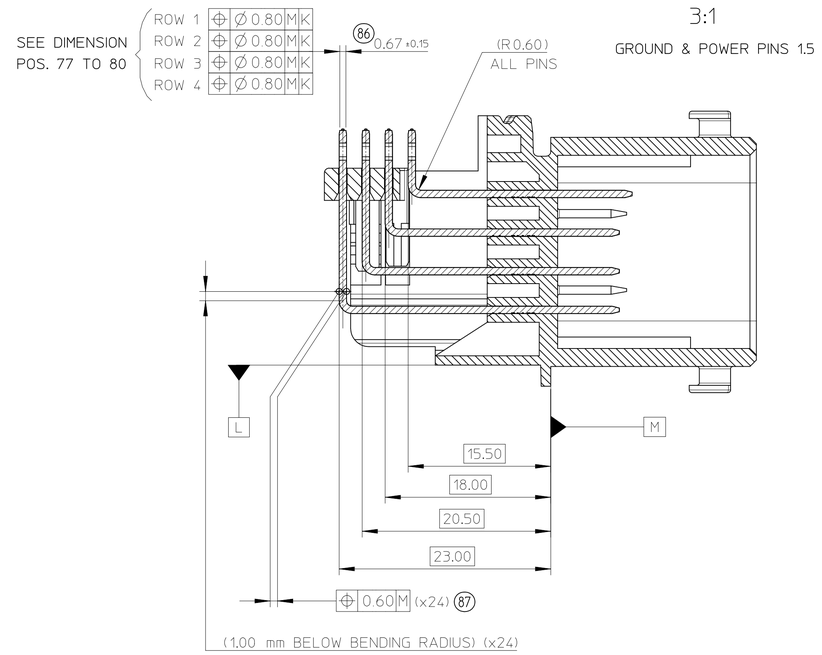
5:1

(VIEW WITHOUT GUIDING PLATE)

B-B

3:1

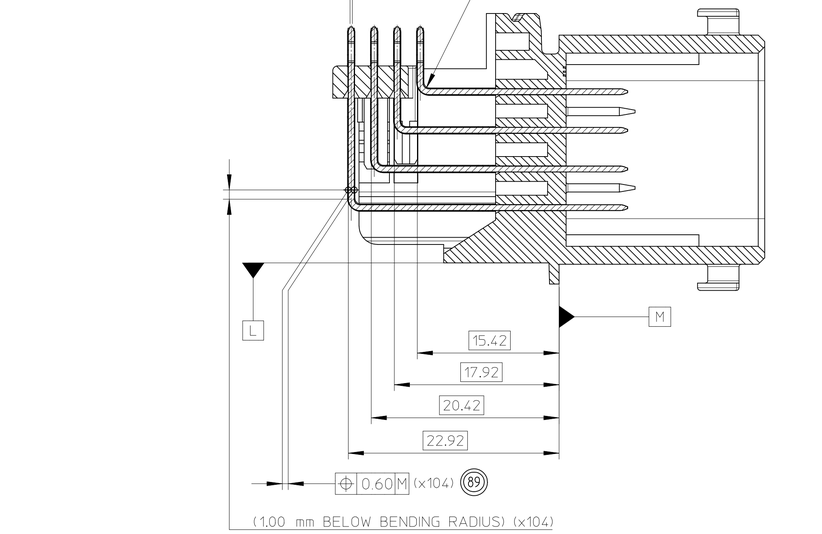
GROUND & POWER PINS 1.5



C-C

3:1

SIGNAL PINS 0.63



FUNCTIONAL CHARACTERISTICS CHART	
(SPC) STATISTICAL PROCESS CONTROL	(SPC) = 0
CUSTOMER CRITICAL CARACTERISTICS	D = 0
OTHER CRITICAL CARACTERISTICS	W = 2

UPD. REV. FOL. REVISION SHT 1
EC NO: G2011-0196 2010/12/08
DRWN:PGRANDCL 2010/12/08
CH'KD:MANDRE 2011/06/15
APPR:.JDUCLOS
DESCRIPTION
12
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: M.ANDRE DATE: 2005/10/25
CHECKED BY: P.GRANDCLAUD DATE: 2005/10/25
APPROVED BY: CBOUCHAN DATE: 2010/11/16

TITLE: CMC HDR ASSY RA 128CKT PRESS-FIT

MOLEX INCORPORATED

MATERIAL NO.: 0983831010
DOCUMENT NO.: RSD-98383-010
SHEET NO.: 4 OF 4
SIZE: A1