

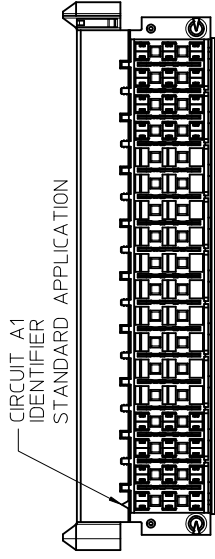
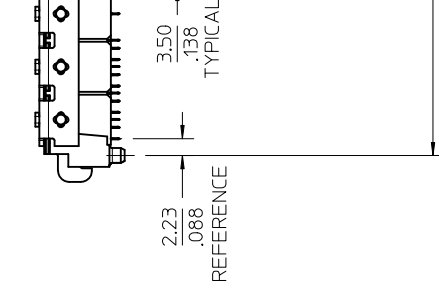
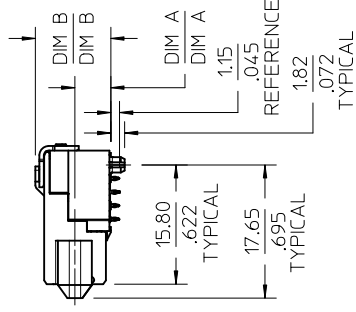
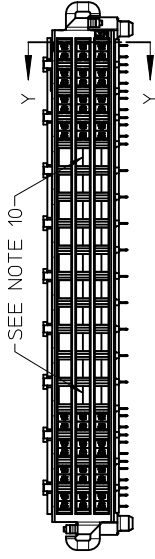
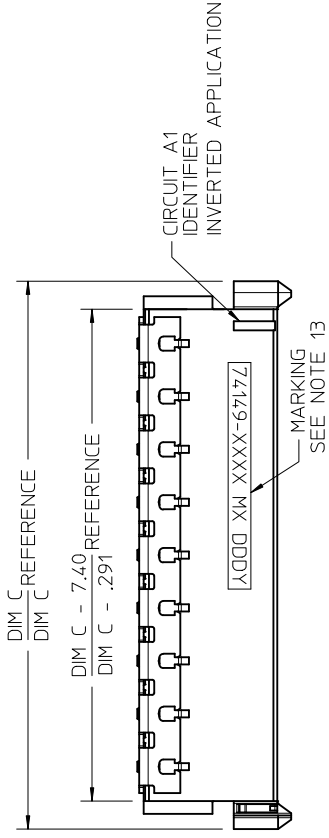
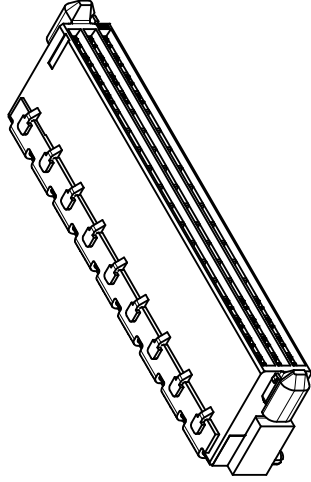


THE DATASHEET OF
0741493002



NOTES:

- 1) MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0
WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER,
CONTACT - COPPER ALLOY
CLIPS - STAINLESS STEEL
- 2) FINISHES: SEE SHEET 2
- 3) PRODUCT SPECIFICATION: THIS PART CONFORMS TO
- 4) PACKAGING SPECIFICATION: THIS PART TO BE PACKAGED
- 5) APPLICATION SPECIFICATION: THIS PART TO BE ASSEMBLED PER
APPLICATION TOOL AND INSTRUCTIONS PER AS-7
- 6) MATING INFORMATION
THIS PART MATES WITH 74148-XXXX (108 CIRCUIT IDENTIFIER)
WILL MATE WITH MAXIMUM OF 1.27mm MIS-ALIGNMENT
WILL MATE WITH MAXIMUM 0.75° MIS-ALIGNMENT
7) ORIENTATION
THIS PART CAN BE USED IN A STANDARD OR INVERTED APPLICATION
ORIENTATION (I.E. ROTATED 180°)
- 8) SEE SHEET 3 FOR PCB LAYOUT INFORMATION
- 9) SEE SHEET 4 FOR CIRCUIT DESIGNATION
- 10) CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO FULLY LOADED WITH TERMINALS
- 11) APPLICATION TOOLING KEEP OUT AREA, NO COMPONENTS
- 12) CONFORMS TO MOLEX COSMETIC SPECIFICATION P
- 13) MARKING: PART NUMBER, MX, DDD
- 14) RECOMMENDED DRILL SIZE 0.48±0.03 TO YIELD FINISH



REV	DESCRIPTION
1	DRWN: TIBARRA 2013/01/28
2	CHK'D: BBARKER 2013/02/07
3	APPR: SMILLER 2013/02/18

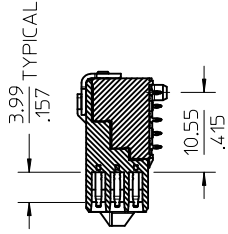
QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES ±---	INCH ±---
3 PLACES ±---	±.005
2 PLACES ±0.13	±.01
1 PLACE ±0.25	±---
ANGULAR ±1/2°	

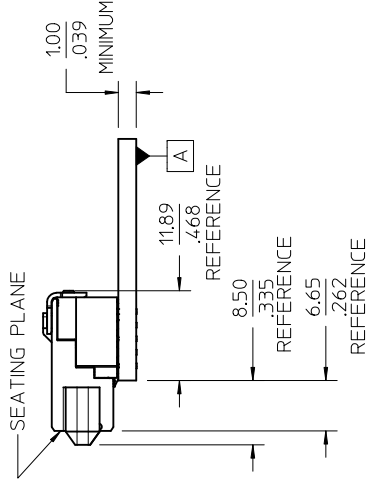
DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
MP OFF	2012/09/19
CHECKED BY	DATE
TIBARRA	2012/09/19
APPROVED BY	DATE
SMILLER	2012/10/01

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND SH

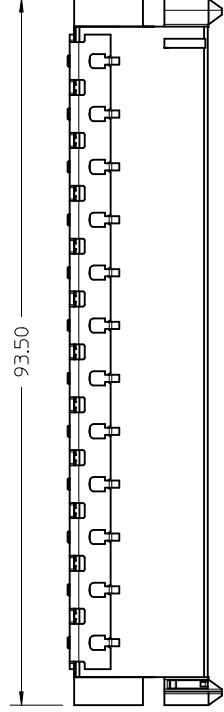
ITEM NUMBER	CIRCUIT SIZE	NO. OF COLUMNS 'N'	CENTERLINE DIMENSION 'A', mm(in)	O/A HEIGHT DIMENSION 'B', mm(in)	O/A LENGTH DIMENSION 'C', mm(in)	PEG TO PEG DIMENSION 'D', mm(in)	FIRST-LAST SIGNAL DIMENSION 'E', mm(in)	FIRST-LAST GROUND DIMENSION 'F', mm(in)	PLATING FINISH	HOUSING FINISH	GROUND OPTION
74149-1001	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	86.51 (3.406)	82.00 (3.228)	77.00 (3.031)	OPTION 1	NICKEL	2 TAIL
74149-1101	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	86.51 (3.406)	82.00 (3.228)	77.00 (3.031)	OPTION 1	NICKEL	3 TAIL
74149-3001	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	86.51 (3.406)	82.00 (3.228)	77.00 (3.031)	OPTION 2	GOLD	2 TAIL
74149-3101	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	86.51 (3.406)	82.00 (3.228)	77.00 (3.031)	OPTION 2	GOLD	3 TAIL
74149-4002	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	65.51 (2.579)	61.00 (2.402)	56.00 (2.205)	OPTION 1	NICKEL	2 TAIL
74149-4102	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	65.51 (2.579)	61.00 (2.402)	56.00 (2.205)	OPTION 1	NICKEL	3 TAIL
74149-5002	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	65.51 (2.579)	61.00 (2.402)	56.00 (2.205)	OPTION 2	GOLD	2 TAIL
74149-5102	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	65.51 (2.579)	61.00 (2.402)	56.00 (2.205)	OPTION 2	GOLD	3 TAIL



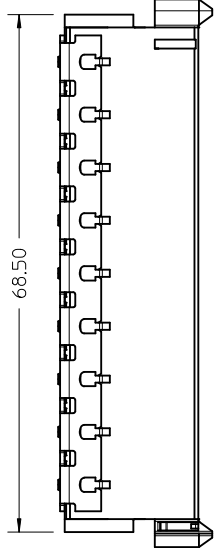
SECTION Y-Y



144 CKT



108 CKT



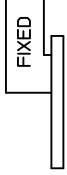
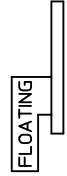
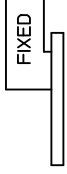
FINISHES:

- OPTION 1
CONTACT INTER-
CONTACT INTER-
0.76 MICROM
1.27 MICROM
COMPLIANT INT
0.76 MICROM
1.27 MICROM
HOUSING
3.81 MICROM
3.81 MICROM
- OPTION 2
CONTACT INTER-
CONTACT INTER-
0.76 MICROM
1.27 MICROM
COMPLIANT INT
0.76 MICROM
1.27 MICROM
HOUSING
0.70 MICROM
3.81 MICROM
3.81 MICROM

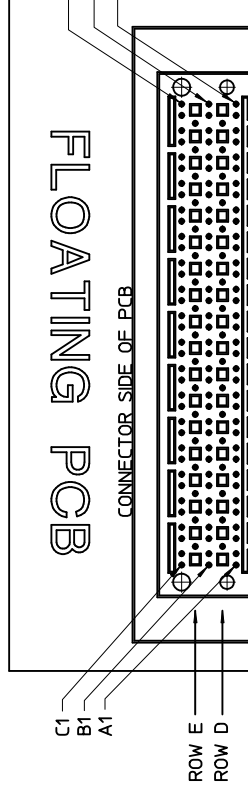
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE
$\nabla = 0$ $\nabla = 0$ $\nabla = 0$	4 PLACES \pm --- INCH 3 PLACES \pm --- \pm 0.005 2 PLACES \pm 0.13 \pm 0.01 1 PLACE \pm 0.25 \pm --- ANGULAR \pm 1/2°	MM/IN
DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY DATE
EC NO: UCP213-2784 DRWN: TIBARRA 2013/10/128 CHK'D: BBARKER 2013/02/107 APPR: SMILLER 2013/02/118	SEE SHEET 1	MPOFF 2012/09/19
REV	SEE TABLE	CHECKED BY DATE
	SIZE THIS DRAWING CONTAINED AND INCORPORATED AND S	TIBARRA 2012/09/19
		APPROVED BY DATE
		SMILLER 2012/10/01
		MATERIAL NO.

STANDARD APPLICATION CIRCUIT DESIGNATIONS

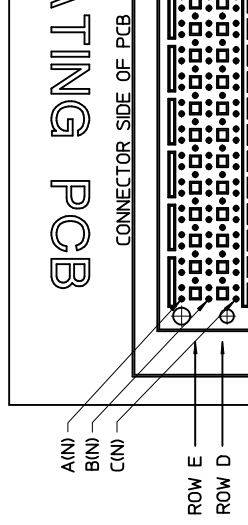
INVERTED APPLICATION CIRCUIT DESIGNATIONS



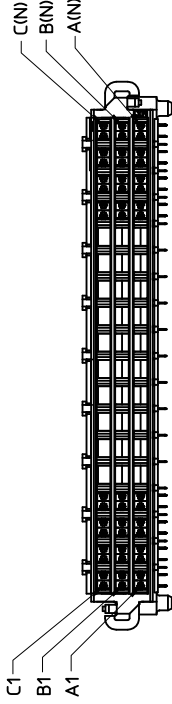
H



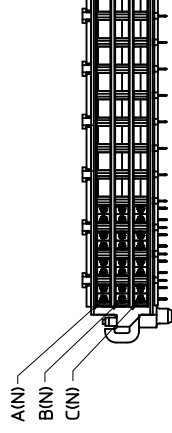
G



F



E



CIRCUIT DESIGNATION

FIRST MATE: HOUSING - SIGNAL GROUND
 SECOND MATE: A1, C1, A(N), C(N) (FOR POWER RETURN)
 THIRD MATE: A2, B2, C2, A(N-1), B(N-1), C(N-1) & ALL OTHERS
 (A2, C2, A(N-1) & C(N-1) FOR POWER)
 (ALL OTHERS FOR SIGNAL)
 LAST MATE: B1, B(N) (FOR CARD DETECT)

ALL COLUMNS FROM 3 THROUGH (N-2) ARE SUITABLE FOR
 DIFFERENTIAL PAIRS
 EG: A3-A4, B3-B4, C3-C4, A(N-2)-A(N-3), B(N-2)-B(N-3)

SIGNAL GROUND: ROWS D & E

B

REV	DESCRIPTION
1	EC NO: UCP2013-2784
2	DRWN: IBARRA 2013/01/28
3	CHKD: BBARKER 2013/02/07
4	APP: SMILLER 2013/02/18

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	INCH	MM	PLACES
	±	---	±	---
	±	---	±	---
	±	0.13	±	0.1
	±	0.25	±	---

GENERAL TOLERANCES (UNLESS SPECIFIED)	INCH	MM	PLACES
4 PLACES	±	---	---
3 PLACES	±	---	0.005
2 PLACES	±	0.13	0.1
1 PLACE	±	0.25	---

DRAWN BY	DATE	DIMENSION STYLE
MPOFF	2012/09/19	MM/IN
CHECKED BY	DATE	
T. IBARRA	2012/09/19	
APPROVED BY	DATE	
SMILLER	2012/10/01	

ANGULAR ±1/2°
 DRAFT WHERE APPLICABLE
 MUST REMAIN WITHIN DIMENSIONS

MATERIAL NO. SEE TABLE
 SIZE THIS DRAWING CONTAINED AND SH

A

12

11

10

9

8

7

6

5

4

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