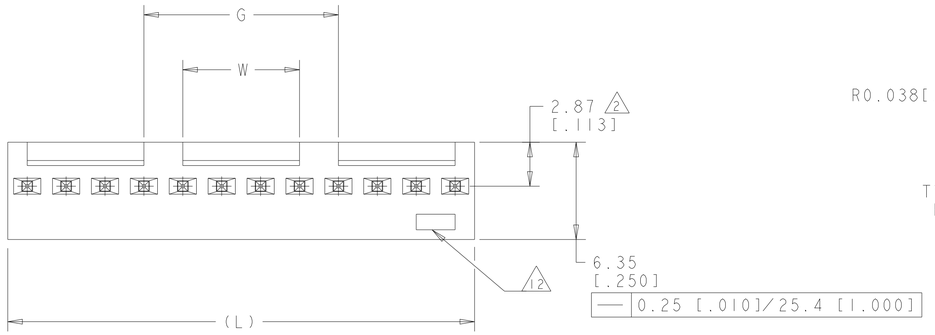
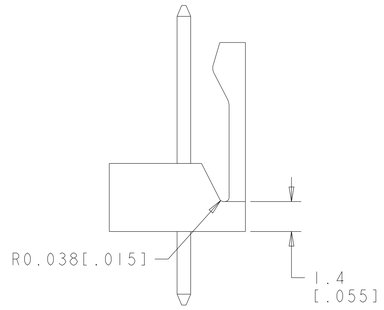
LOC	DIST
CM	00

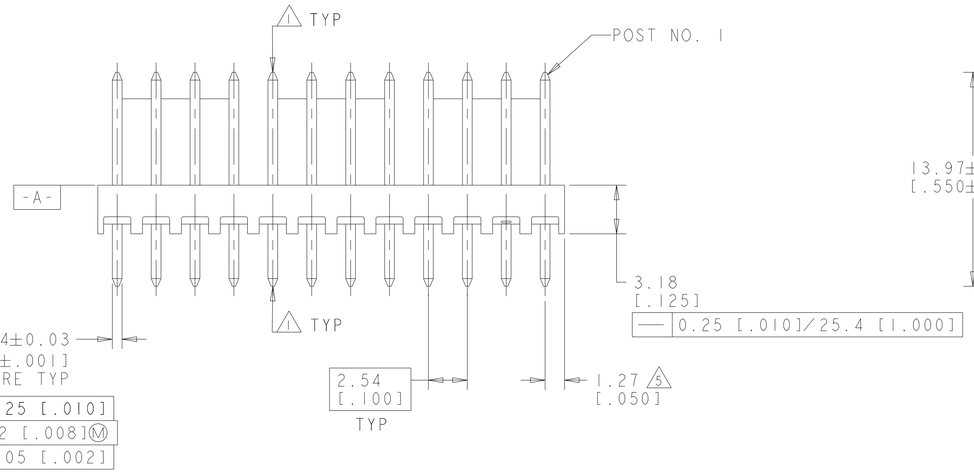
REVISIONS

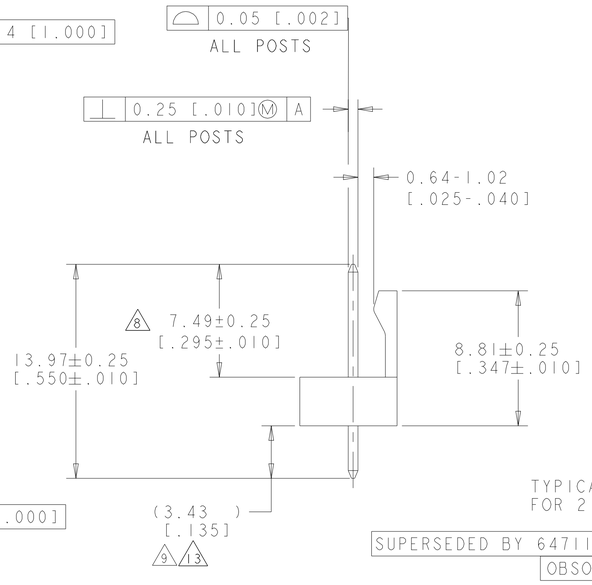
P	LTR	DESCRIPTION	DATE	DWN	APVD
	R3	REVISED PER ECR-18-004355	30JUL2018	BDA	SG
	S	REVISED PER ECR-19-015071	16OCT2019	BDA	SW
	T	REVISED PER ECR-25-253035	11NOV2025	CKN	JP

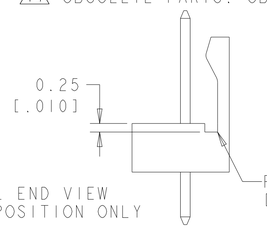




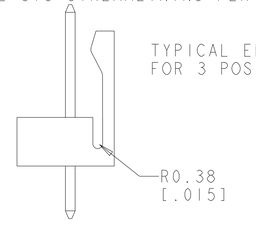
TYPICAL END VIEW
FOR 4 THROUGH 7 POSITION





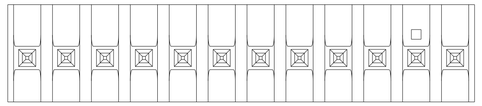


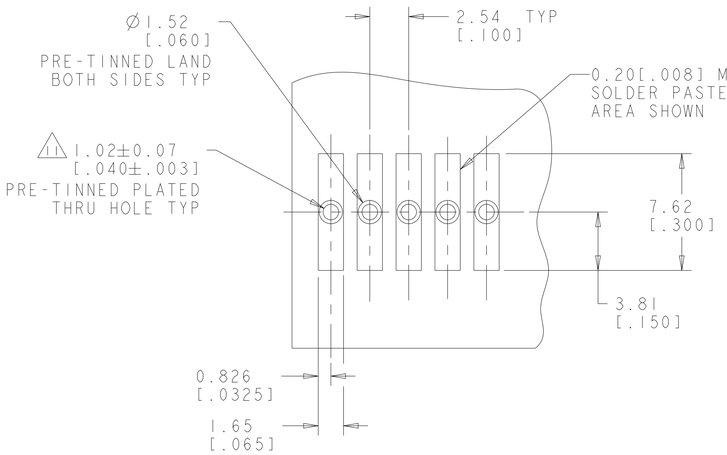
TYPICAL END VIEW
FOR 2 POSITION ONLY



TYPICAL END VIEW
FOR 3 POSITION ONLY

1. POST WITHSTAND 13 NEWTONS (3 LBS) MIN AXIAL FORCE IN DIRECTION SHOWN WITHOUT DISLODGING.
2. MEASURED AT -A-.
3. PARTS COMPLY WITH SOLDERABILITY SPEC 109-11-2.
4. MATERIAL:
   HOUSING: UL94V-0 NYLON, 4/T, HIGH TEMP, BLACK.
   POST - COPPER ALLOY (SEE TABLE FOR PLATING).}
5. COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.
6. POSTS TO BE MEASURED WHEN STRIP HELD FLAT.
7. DIMENSIONS IN BRACKETS ARE IN INCHES.
8. PLATING: GOLD PLATE AREA, 0.00076 [.000030] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00068 [.000027] PALLADIUM NICKEL, ONLY IN FUNCTIONAL CONTACT AREA AND OTHER AREAS WITH OPTIMIZED THICKNESS PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
9. BRIGHT TIN/LEAD (93/7) PLATE AREA,0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES, 3.56[.140] MIN.
10. TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
11. ONE HOLE MAY BE UNDERSIZED 0.81-0.90 [.032-.035] DIAMETER FOR ASSEMBLY RETENTION DURING PROCESSING.
12. TE LOGO,UL,AND CSA TRADEMARKS TO APPEAR ON THIS SURFACE.
13. MATTE TIN PLATE AREA,0.00381-0.00889} [.000150-.000350] THICK, ALL FOUR SIDES, 3.56[.140] MIN.
14. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI





RECOMMENDED MOUNTING HOLE PATTERN 10
FOR 1.57±0.20[.062±.008] THICK P.C. BOARD

		POST FINISH	W	G	L	NO OF POSN	PART NO
SUPERSEDED BY 647116-MXCU			12.70 [.500]	25.40 [1.000]	43.18 [1.700]	17	4-647116-7
OBSOLETE			7.62 [.300]	12.70 [.500]	30.48 [1.200]	12	4-647116-2
			-	10.16 [.400]	27.94 [1.100]	11	4-647116-1
			-	7.62 [.300]	25.40 [1.000]	10	4-647116-0
			-	5.08 [.200]	22.86 [.900]	9	3-647116-9
			-	2.54 [.100]	20.32 [.800]	8	3-647116-8
	8 13		-	-	17.78 [.700]	7	3-647116-7
			-	-	15.24 [.600]	6	3-647116-6
			-	-	12.70 [.500]	5	3-647116-5
			-	-	10.16 [.400]	4	3-647116-4
			-	-	7.62 [.300]	3	3-647116-3
			-	-	5.08 [.200]	2	3-647116-2
SUP 4-647116-2			7.62 [.300]	12.70 [.500]	30.48 [1.200]	12	~~1-647116-2~~
4 SUP 4-647116-1			-	10.16 [.400]	27.94 [1.100]	11	~~1-647116-1~~
4 SUP 4-647116-0			-	7.62 [.300]	25.40 [1.000]	10	~~1-647116-0~~
OBSOLETE			-	5.08 [.200]	22.86 [.900]	9	647116-9
4 SUP 3-647116-8			-	2.54 [.100]	20.32 [.800]	8	~~647116-8~~
4 SUP 3-647116-7	8 9		-	-	17.78 [.700]	7	~~647116-7~~
SUP 3-647116-6			-	-	15.24 [.600]	6	~~647116-6~~
4 SUP 3-647116-5			-	-	12.70 [.500]	5	~~647116-5~~
SUP 3-647116-4			-	-	10.16 [.400]	4	~~647116-4~~
4 SUP 3-647116-3			-	-	7.62 [.300]	3	~~647116-3~~
SUP 3-647116-2			-	-	5.08 [.200]	2	~~647116-2~~

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.38[.015]
3 PLC ±-
4 PLC ±-
ANGLES ±0° 30'

MATERIAL 14
FINISH 4

DWN K WHITAKER 01NOV2001
CHK D ROSSI 01NOV2001
APVD D ROSSI 01NOV2001
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME MTA-100 HEADER ASSY,HIGH TEMPERATURE FRICTION LOCK,.025 SQUARE, STRAIGHT POST,.000030 GOLD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-647116	

CUSTOMER DRAWING | SCALE 7:1 | SHEET 1 OF 1 | REV T