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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
F3		REVISED PER ECO-16-004223	16JUL2016	NK MZ

Technical drawing of a pin assembly. The drawing includes a side view and an end view. Key dimensions and callouts are as follows:

- Pin diameter: $\varnothing 1.588^{+0.025}_{-0.051}$
- Pin body diameter: $\varnothing 0.0625^{+0.0010}_{-0.0020}$
- Pin body length: 9.91 MIN [.390]
- Pin body material: PIN BODY, BRASS SEE TABLE
- Spring material: SPRING, STAINLESS STEEL
- Pin body length from mating end: 27.10 ± 0.51 [1.067 ± .020]
- Pin body diameter at mating end: $\varnothing 2.87$ MAX [.113]
- Pin body length from mating end to crimp area: 1.65 MIN [.065] TYP
- Pin body length from mating end to crimp area: 20.24 ± 0.25 [.797 ± .010]
- Pin body length from mating end to crimp area: .015 MAX CUT-OFF
- Callouts A and B indicate specific areas of the pin body.

8 $0.38\mu\text{m}$ [.000015] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN, $1.27\mu\text{m}$ [.000050] MIN TIN-LEAD PER MIL-T-10727 ON OPPOSITE END FOR A LENGTH OF 5.69 [.224] MIN, BOTH OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PER QQ-N-290.

9 $1.27\mu\text{m}$ [.000050] MIN TIN PER MIL-T-10727 OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PER QQ-N-290.

SECTION A-A

Dimensions for SECTION A-A:

- Top width: $3.68^{+0.13}_{-0.25}$
- Bottom width: $.145^{+0.005}_{-0.010}$
- Height: $3.05^{+0.25}_{-0.13}$ TYP
- Inner width: $.120^{+0.010}_{-0.005}$

SECTION B-B

Dimensions for SECTION B-B:

- Top width: $2.92^{+0.13}_{-0.25}$
- Bottom width: $.115^{+0.005}_{-0.010}$
- Height: $2.84^{+0.25}_{-0.13}$ TYP
- Inner width: $.112^{+0.010}_{-0.005}$

1 $0.76\mu\text{m}$ [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH $1.27\mu\text{m}$ [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PLATE. CONFORMS TO THE REQUIREMENTS OF TE PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).

2 $0.76\mu\text{m}$ [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH A UNIFORM GRADIENT TO $0.25\mu\text{m}$ [.000010] ON REMAINDER, OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PLATE. GOLD FLASH ALL OVER. CONFORMS TO THE REQUIREMENTS OF TE PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).

3 $0.38\mu\text{m}$ [.000015] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH $1.27\mu\text{m}$ [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PER QQ-N-290.

4 GOLD PLATING NOT REQUIRED IN THIS AREA.

5 $1.27\mu\text{m}$ [.000050] MIN TIN-LEAD PER MIL-T-10727 OVER $1.27\mu\text{m}$ [.000050] MIN NICKEL PER QQ-N-290.

6 ALL CONTACTS ON THIS DRAWING CAPABLE OF BEING USED WITH:
 A WIRE RANGE OF 18-16 AWG WITH AN INSULATION RANGE OF $\varnothing 2.03$ - 2.54 [.080-.100] OR
 A WIRE SIZE OF 0.75mm^2 WITH AN INSULATION RANGE OF $\varnothing 1.35$ - 1.65 [.053-.065] OR
 A WIRE SIZE OF 1.0mm^2 WITH AN INSULATION RANGE OF $\varnothing 1.45$ - 1.80 [.057-.071].

PACKAGING TYPE	CONTACT FINISH	STRIP P/N REF	PART NO
SMALL PACK	9	1-66098-8 OR 1-66098-9	1-66099-6
STANDARD	9	1-66098-8 OR 1-66098-9	1-66099-5
SMALL PACK	1	66098-4	1-66099-4
SMALL PACK	3	66098-3	1-66099-3
SMALL PACK	5	66098-2	1-66099-2
SMALL PACK	2	66098-1	1-66099-1
STANDARD	8	1-66098-6	1-66099-0
STANDARD	1	66098-4	66099-4
STANDARD	3	66098-3	66099-3
STANDARD	5	66098-2	66099-2
STANDARD	2	66098-1	66099-1

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MATERIAL		FINISH		WEIGHT		SCALE		SHEET		REV	
mm	[INCHES]	0 PLC	1 PLC	2 PLC	3 PLC	4 PLC	ANGLES	FINISH	SEE CALLOUTS	SEE CALLOUTS	SCALE	SHEET	REV		
		±	±	± 0.13 [.005]	±	±	±				8:1	1 OF 1	F3		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: L.SIPE 05/29/92
 CHK: W.LENKER 6-11-92
 APVD: G.STEINHAUER 7-7-92

NAME: PIN ASSEMBLY, LOOSE PIECE, TYPE III+

SIZE: A2 CAGE CODE: 00779 DRAWING NO: C=66099 RESTRICTED TO: -

CUSTOMER DRAWING

1471-9 (1/15)