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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
J		REVISED PER ECO-16-004945	13OCT2016	RS	MZ

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

- Pin diameter: $\phi 1.588^{+0.025}_{-0.051}$ [$.0625^{+0.001}_{-0.002}$]
- Pin body length: 9.91 [$.390$] MIN
- Spring length: 27.10 ± 0.51 [1.067 ± 0.20]
- Color code dot diameter: 0.38 MAX [$.015$] CUT-OFF
- Mating end diameter: $\phi 2.87$ [$.113$] MAX
- Strip length: 20.24 ± 0.25 [$.797 \pm 0.10$]
- Strip thickness: 1.65 MIN [$.065$] TYP
- Strip width: 2.18 ± 0.25 [$.086^{+0.010}_{-0.005}$] TYP
- Strip width: 2.41 ± 0.13 [$.095^{+0.005}_{-0.010}$]
- Strip width: 2.08 ± 0.25 [$.082^{+0.010}_{-0.005}$] TYP

10 1.27 μm [$.000050$] MIN TIN PER MIL-T-10727 OVER
 1.27 μm [$.000050$] MIN NICKEL PER QQ-N-290.

SECTION A-A

SECTION B-B

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

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

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

4 GOLD PLATING NOT REQUIRED IN THIS AREA.

5 1.27 μm [$.000050$] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [$.200$] MIN WITH GOLD FLASH ON THE REMAINDER OVER 1.90 μm [$.000075$] MIN NICKEL PER QQ-N-290.

6 1.27 μm [$.000050$] MIN TIN-LEAD PER MIL-T-10727 OVER 1.27 μm [$.000050$] MIN NICKEL PER QQ-N-290.

7 WIRE RANGE 24-20 AWG.

8 INSULATION RANGE 1.02 [$.040$] - 2.03 [$.080$] DIA.

9 0.38 μm [$.000015$] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [$.200$] MIN, 1.27 μm [$.000050$] MIN TIN-LEAD PER MIL-T-10727 FOR A LENGTH OF 5.69 [$.224$] MIN ON OPPOSITE END, BOTH OVER 1.27 μm [$.000050$] MIN NICKEL PER QQ-N-290 ON ENTIRE CONTACT.

PACKAGING TYPE	BODY FINISH	BODY MATERIAL	STRIP P/N REF	PART NO
SMALL PACK	10	BRASS	2-66102-5 OR 2-66102-6	1-66103-9
STANDARD	10	BRASS	2-66102-5 OR 2-66102-6	1-66103-8
SMALL PACK	1	BRASS	66102-4	1-66103-7
SMALL PACK	3	BRASS	66102-3	1-66103-6
SMALL PACK	6	BRASS	66102-2	1-66103-5
SMALL PACK	2	BRASS	66102-1	1-66103-4
OBSOLETE	STANDARD	BRASS	2-66102-3	1-66103-3
OBSOLETE	STANDARD	PHOSPHOR BRONZE	2-66102-2	1-66103-2
OBSOLETE	STANDARD	PHOSPHOR BRONZE	2-66102-1	1-66103-1
STANDARD	1	BRASS	66102-4	66103-4
STANDARD	3	BRASS	66102-3	66103-3
STANDARD	6	BRASS	66102-2	66103-2
STANDARD	2	BRASS	66102-1	66103-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	06/01/92		TE Connectivity
DIMENSIONS: mm [INCHES]		CHK	6-11-92		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	7-7-92		
0 PLC ± -		NAME		PIN ASSEMBLY, LOOSE PIECE, TYPE III+	
1 PLC ± -		G.STEINHAUER		SIZE	A2
2 PLC ± 0.13 [$.005$]		PRODUCT SPEC		CAGE CODE	00779
3 PLC ± -		APPLICATION SPEC		DRAWING NO	C=66103
4 PLC ± -		MATERIAL		RESTRICTED TO	-
ANGLES ± -		FINISH		SCALE	8:1
SEE CALLOUTS		SEE CALLOUTS		SHEET	1 OF 1
MATERIAL		WEIGHT		REV	J
SEE CALLOUTS		CUSTOMER DRAWING			

1471-9 (1/15)