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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: SPRING, STAINLESS STEEL
- Color code dot: COLOR CODE DOT, YELLOW (LOOSE PIECE ONLY)
- End view diameter: $\phi 2.87$ [$.113$] MAX
- End view length: 20.24 ± 0.25 [$.797 \pm 0.10$]
- End view offset: 1.65 MIN [$.065$] TYP
- End view cut-off: 0.38 MAX [$.015$] CUT-OFF
- End view total length: 27.10 ± 0.51 [1.067 ± 0.20]
- End view feature: 4

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

SECTION A-A cross-section showing dimensions: $2.92^{+0.13}_{-0.25}$ [$.115^{+0.005}_{-0.010}$] and $2.18^{+0.25}_{-0.13}$ [$.086^{+0.010}_{-0.005}$] TYP

SECTION B-B cross-section showing dimensions: $2.41^{+0.13}_{-0.25}$ [$.095^{+0.005}_{-0.010}$] and $2.08^{+0.25}_{-0.13}$ [$.082^{+0.010}_{-0.005}$] TYP

$\triangle 1$ 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),

$\triangle 2$ 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).

$\triangle 3$ 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.

$\triangle 4$ GOLD PLATING NOT REQUIRED IN THIS AREA.

$\triangle 5$ 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.

$\triangle 6$ 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.

$\triangle 9$ 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.

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

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

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