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REVISIONS				
P	LTR	DESCRIPTION	DATE	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:  $\phi 1.588^{+0.025}_{-0.051}$  with a tolerance of  $[\ .0625^{+0.001}_{-0.002}]$ .
- 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  $\pm 0.25$   $[\ .797 \pm 0.10]$ .
- End view offset: 1.65 MIN  $[\ .065]$  TYP.
- End view cut-off: 0.38 MAX  $[\ .015]$  CUT-OFF.
- End view total length: 27.10  $\pm 0.51$   $[\ 1.067 \pm 0.20]$ .
- End view feature: 4.

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

SECTION A-A cross-section showing dimensions:
 

- Top width: 2.92  $\pm 0.13$   $[\ .115^{+0.005}_{-0.010}]$
- Bottom width: 2.18  $\pm 0.25$   $[\ .086^{+0.010}_{-0.005}]$  TYP

SECTION B-B cross-section showing dimensions:
 

- Top width: 2.41  $\pm 0.13$   $[\ .095^{+0.005}_{-0.010}]$
- Bottom width: 2.08  $\pm 0.25$   $[\ .082^{+0.010}_{-0.005}]$  TYP

$\triangle 1$  0.76 $\mu$ m  $[\ .000030]$  MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08  $[\ .200]$  MIN WITH 1.27 $\mu$ m  $[\ .000050]$  MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27 $\mu$ m  $[\ .000050]$  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 $\mu$ m  $[\ .000030]$  MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08  $[\ .200]$  MIN WITH A UNIFORM GRADIENT TO 0.25 $\mu$ m  $[\ .000010]$  MIN ON REMAINDER, OVER 1.27 $\mu$ m  $[\ .000050]$  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 $\mu$ m  $[\ .000015]$  MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08  $[\ .200]$  MIN 1.27 $\mu$ m  $[\ .000050]$  MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27 $\mu$ m  $[\ .000050]$  MIN NICKEL PER QQ-N-290.

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

$\triangle 5$  1.27 $\mu$ m  $[\ .000050]$  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 $\mu$ m  $[\ .000075]$  MIN NICKEL PER QQ-N-290.

$\triangle 6$  1.27 $\mu$ m  $[\ .000050]$  MIN TIN-LEAD PER MIL-T-10727 OVER 1.27 $\mu$ m  $[\ .000050]$  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 $\mu$ m  $[\ .000015]$  MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08  $[\ .200]$  MIN, 1.27 $\mu$ m  $[\ .000050]$  MIN TIN-LEAD PER MIL-T-10727 FOR A LENGTH OF 5.69  $[\ .224]$  MIN ON OPPOSITE END, BOTH OVER 1.27 $\mu$ m  $[\ .000050]$  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	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	G.STEINHAUER	PIN ASSEMBLY, LOOSE PIECE, TYPE III+	
0 PLC $\pm$ -		PRODUCT SPEC		SIZE	CAGE CODE
1 PLC $\pm$ -		APPLICATION SPEC		A2	00779
2 PLC $\pm 0.13$ $[\ .005]$				DRAWING NO	RESTRICTED TO
3 PLC $\pm$ -				C=66103	-
4 PLC $\pm$ -				SCALE	SHEET
ANGLES $\pm$ -				8:1	1 of 1
MATERIAL	FINISH	WEIGHT		REV	J
SEE CALLOUTS	SEE CALLOUTS	CUSTOMER DRAWING			

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