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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 are as follows:

- 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  $\pm 0.25$  [  $.797 \pm 0.10$  ]
- 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 offset: 4

$\triangle 10$  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:  $2.92^{+0.13}_{-0.25}$  [  $.115^{+0.005}_{-0.010}$  ],  $2.18^{+0.25}_{-0.13}$  [  $.086^{+0.010}_{-0.005}$  ] TYP

SECTION B-B

Dimensions:  $2.41^{+0.13}_{-0.25}$  [  $.095^{+0.005}_{-0.010}$  ],  $2.08^{+0.25}_{-0.13}$  [  $.082^{+0.010}_{-0.005}$  ] TYP

$\triangle 1$  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 TYCO ELECTRONICS PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01 (CONTROLLED ENVIRONMENT APPLICATIONS),

$\triangle 2$  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  $\mu\text{m}$  [  $.000010$  ] MIN ON REMAINDER, OVER 1.27  $\mu\text{m}$  [  $.000050$  ] 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  $\mu\text{m}$  [  $.000015$  ] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [  $.200$  ] MIN 1.27  $\mu\text{m}$  [  $.000050$  ] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27  $\mu\text{m}$  [  $.000050$  ] MIN NICKEL PER QQ-N-290.

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

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

$\triangle 6$  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.

7 WIRE RANGE 24-20 AWG.

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

$\triangle 9$  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 FOR A LENGTH OF 5.69 [  $.224$  ] MIN ON OPPOSITE END, BOTH OVER 1.27  $\mu\text{m}$  [  $.000050$  ] MIN NICKEL PER QQ-N-290 ON ENTIRE CONTACT.

PACKAGING TYPE	BODY FINISH	BODY MATERIAL	STRIP P/N REF	PART NO	
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	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	06/01/92	TE Connectivity	
		CHK	6-11-92		
		APVD	7-7-92	NAME	
		PRODUCT SPEC		PIN ASSEMBLY, LOOSE PIECE, TYPE III+	
		APPLICATION SPEC		SIZE	
		MATERIAL		CAGE CODE	
		FINISH		DRAWING NO	
SEE CALLOUTS		SEE CALLOUTS		A2 00779 C-66103	
		WEIGHT		RESTRICTED TO	
		CUSTOMER DRAWING		SCALE 8:1 SHEET 1 OF 1 REV J	

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