

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © COPYRIGHT By - ALL RIGHTS RESERVED.

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

Technical drawing of a pin assembly showing dimensions and callouts. Dimensions include diameters like 1.588mm and 2.87mm, lengths like 9.91mm and 27.10mm, and a 0.38mm cut-off. Callouts identify 'PIN BODY, SEE TABLE', 'SPRING, STAINLESS STEEL', and 'COLOR CODE DOT, YELLOW (LOOSE PIECE ONLY)'.

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

SECTION A-A

SECTION B-B

1 0.76μm [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH 1.27μm [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27μm [.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 0.76μm [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH A UNIFORM GRADIENT TO 0.25μm [.000010] MIN ON REMAINDER, OVER 1.27μm [.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 0.38μm [.000015] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN 1.27μm [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27μm [.000050] MIN NICKEL PER QQ-N-290.

4 GOLD PLATING NOT REQUIRED IN THIS AREA.

5 1.27μm [.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 1.90μm [.000075] MIN NICKEL PER QQ-N-290.

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

7 WIRE RANGE 24-20 AWG.

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

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

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	9	BRASS	2-66102-3
OBSOLETE	STANDARD	1	PHOSPHOR BRONZE	2-66102-2
OBSOLETE	STANDARD	6	PHOSPHOR BRONZE	2-66102-1
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
PACKAGING TYPE	BODY FINISH	BODY MATERIAL	STRIP P/N REF	PART NO

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	
		FINISH		CAGE CODE	
		WEIGHT		DRAWING NO	
		CUSTOMER DRAWING		A2 00779 C=66103	
		SCALE	8:1	SHEET 1 of 1	
		REV	J	RESTRICTED TO	

1471-9 (1/15)