REVISIONS

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

PIN BODY, SEE TABLE

SPRING, STAINLESS STEEL

ø1.588 +0.025 / -0.051
[.0625 +.001 / -.002]

COLOR CODE DOT, YELLOW (LOOSE PIECE ONLY)

9.91 [.390] MIN

⟨4⟩

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

2.92 +0.13 / -0.25
[.115 +.005 / -.010]

2.18 +0.25 / -0.13
[.086 +.010 / -.005] TYP

SECTION A-A

MATING END

27.10±0.51
[1.067±0.20]

0.38 MAX [.015] CUT-OFF

A

B

ø2.87 [.113] MAX

B

A

1.65 MIN [.065] TYP

2.41 +0.13 / -0.25
[.095 +.005 / -.010]

2.08 +0.25 / -0.13
[.082 +.010 / -.005] TYP

20.24±0.25
[.797±.010]

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.

66103

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	⟨9⟩	BRASS	2-66102-3	1-66103-3
OBSOLETE STANDARD	⟨1⟩	PHOSPHOR BRONZE	2-66102-2	1-66103-2
OBSOLETE STANDARD	⟨6⟩	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	L.SIPE	06/01/92
CHK	W.LENKER	6-11-92
APVD	G.STEINHAUER	7-7-92

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.13 [.005]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL SEE CALLOUTS
FINISH SEE CALLOUTS

PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

≡TE   TE Connectivity

NAME: PIN ASSEMBLY, LOOSE PIECE, TYPE III+

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-66103	—

CUSTOMER DRAWING   SCALE 8:1   SHEET 1 OF 1   REV J

Mouser Electronics

Authorized Distributor

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[TE Connectivity](#):
  [66103-2](#)