

4

3

2

1

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LOC
FT

DIST
47

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	R1	REVISED PER ECO-14-001124	24JAN2014	NK	MZ

SPRING, STAINLESS STEEL

COLOR CODE DOT, YELLOW

A MIN

C MAX

B ± 0.25
[± 0.010]

PIN BODY, BRASS

2.87 MAX
[.113]
TYP

1.65 MIN TYP
[.065]

$1.588^{+0.025}_{-0.051}$ DIA
[.0625 $\pm .0010$
- .0020]

1.98 $^{+0.25}_{-0.13}$
[.078 $\pm .010$
- .005]
TYP

2.21 $^{+0.13}_{-0.25}$
[.087 $\pm .005$
- .010]

SECTION Y-Y

SECTION X-X

1

1.27 μ m [.000050] MIN TIN-LEAD OVER
1.27 μ m [.000050] MIN NICKEL.

2

0.76 μ m [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN OVER 1.27 μ m [.000050] MIN NICKEL PLATE. 0.25 μ m [.000010] MIN GOLD ON THE REMAINDER ALL OVER 1.27 μ m [.000050] MIN NICKEL. CONFORMS TO THE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).

3

0.76 μ m [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH 1.27 μ m [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA BOTH OVER 1.27 μ m [.000050] MIN NICKEL PLATE. CONFORMS TO THE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).

4

0.38 μ m [.000015] MIN GOLD IN LOCALIZED PLATE AREA, GOLD FLASH ON THE REMAINDER ALL OVER 1.27 μ m [.000050] NICKEL.

5

WIRE RANGE 24-20 AWG.

6

INSULATION RANGE 1.52[.060]-3.05[.120] DIA.

7

0.38 μ m [.000015] MIN GOLD PER MIL-G-45204 IN LOCALIZED PLATE AREA, 1.27 μ m [.000050] MIN TIN-LEAD PER MIL-T-10727 FOR A LENGTH OF 5.69 [.224] MIN ON OPPOSITE END, BOTH OVER 1.27 μ m [.000050] MIN NICKEL PER QQ-N-290 ON ENTIRE CONTACT.

8

1.27 μ m [.000050] MIN TIN OVER
1.27 μ m [.000050] MIN NICKEL.

	27.56 [1.085]	20.17 [.794]	9.91 [.390]	8	1-66564-2 OR 1-66564-3	66566-7
OBSOLETE	27.56 [1.085]	20.17 [.794]	9.91 [.390]	7	1-66564-1	66566-6
OBSOLETE	30.78 [1.212]	23.85 [.939]	13.59 [.535]	1	1-66564-0	66566-5
	27.56 [1.085]	20.17 [.794]	9.91 [.390]	3	66564-8	66566-4
OBSOLETE	27.56 [1.085]	20.17 [.794]	9.91 [.390]	4	-	66566-3
	27.56 [1.085]	20.17 [.794]	9.91 [.390]	1	66564-2	66566-2
	27.56 [1.085]	20.17 [.794]	9.91 [.390]	2	66564-1	66566-1
	C	B	A	FINISH	STRIP P/N REF	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC $\pm$ -
1 PLC $\pm$ -
2 PLC $\pm$ 0.13[.005]
3 PLC $\pm$ -
4 PLC $\pm$ -
ANGLES $\pm$ -
FINISH

DWN
H MOLL
CHK
J.MCCLINTON
APVD
A.BOULLTANNE
PRODUCT SPEC
APPLICATION SPEC
WEIGHT
-

10-1-90
12-15-90
12-10-90
-

NAME
PIN ASSEMBLY, LOOSE PIECE,
TYPE III+

SIZE
A2
CAGE CODE
00779
DRAWING NO
C-66566
RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
8:1
SHEET
1 OF 1
REV
R1

1471-9 (3/11)

66566

66566

66566

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