LOC	DIST		REVISIONS				
FT	47	P	LTR	DESCRIPTION	DATE	DWN	APVD
			E2	REVISED PER ECO-15-003583	07MAR2015	NK	MZ

SPRING
STAINLESS STEEL

MATING END

FERRULE, BRASS,
NICKEL FLASH

BODY
BRASS
SEE TABLE

6

.015 MAX
CUT-OFF

1.689±0.051 DIA
[.0665±.0020]

B   A

B   A

2.87 MAX
[.113] DIA

1.65 MIN
[.065] TYP

13.46±0.25
[.530±.010]

2.92 $^{+0.13}_{-0.25}$
2.84 $^{+0.25}_{-0.13}$
[.115 $^{+.005}_{-.010}$]
[.112 $^{+.010}_{-.005}$]
TYP

SECTION B-B

3.68 $^{+0.13}_{-0.25}$
3.05 $^{+0.25}_{-0.13}$
[.145 $^{+.005}_{-.010}$]
[.120 $^{+.010}_{-.005}$]
TYP

SECTION A-A
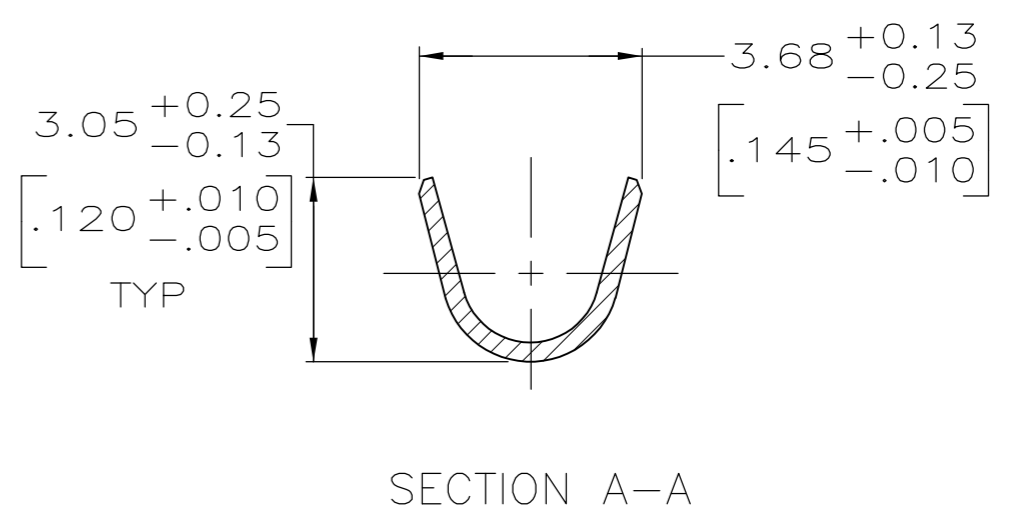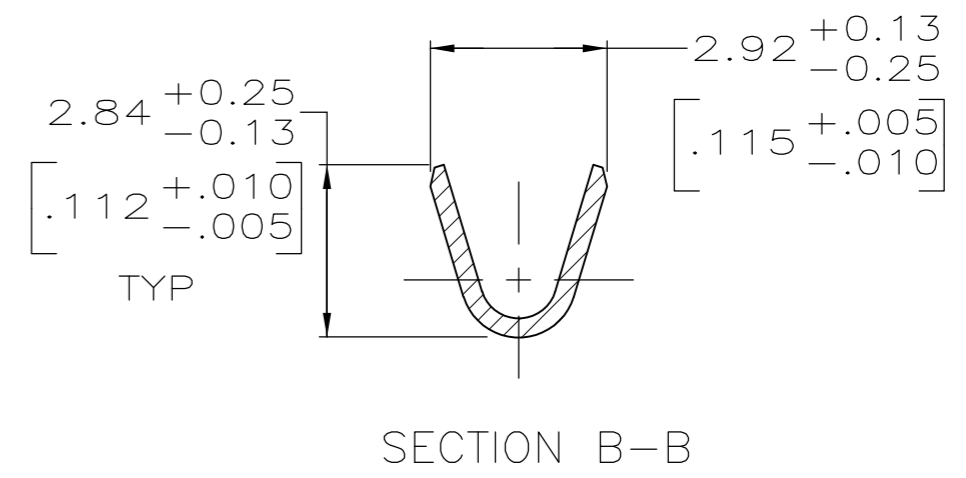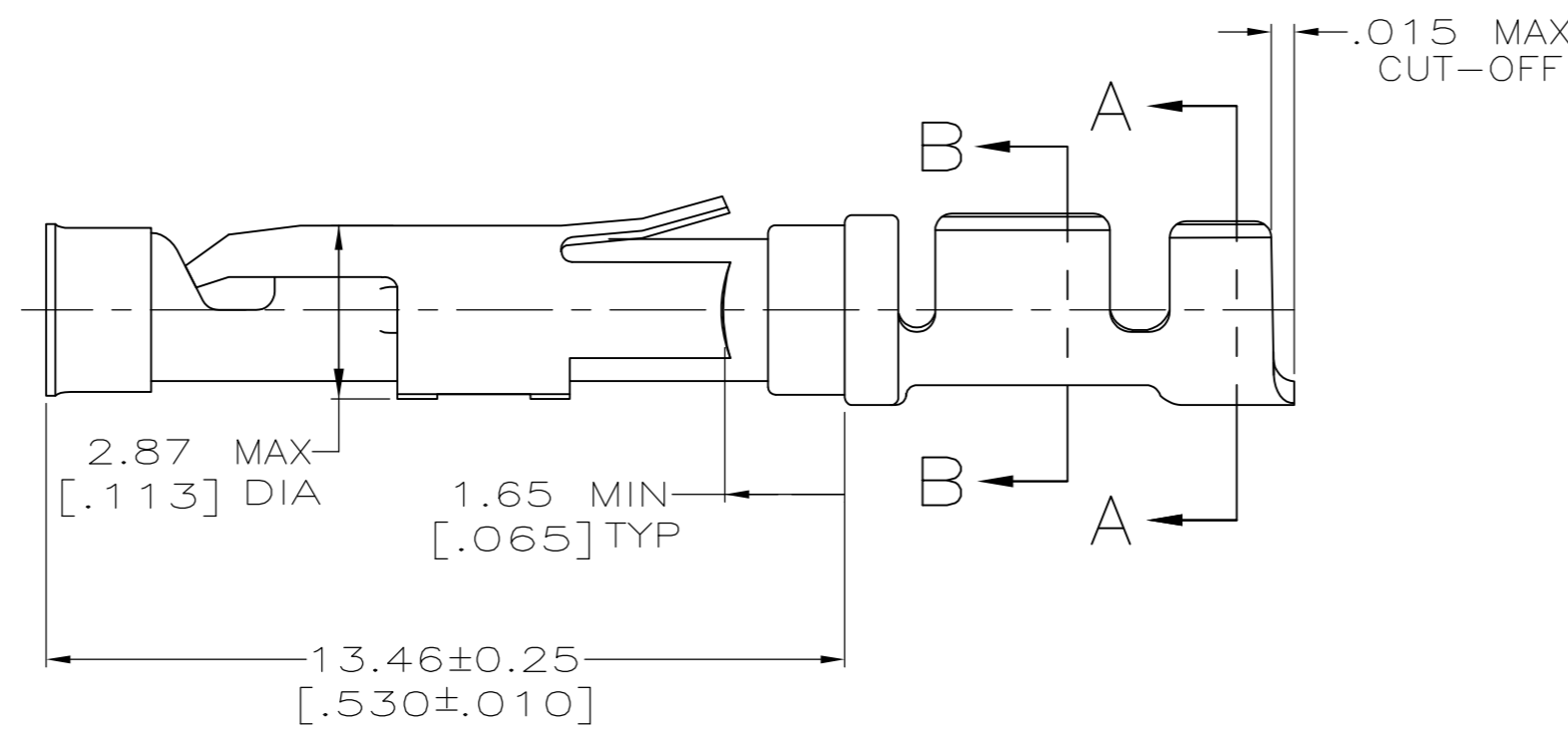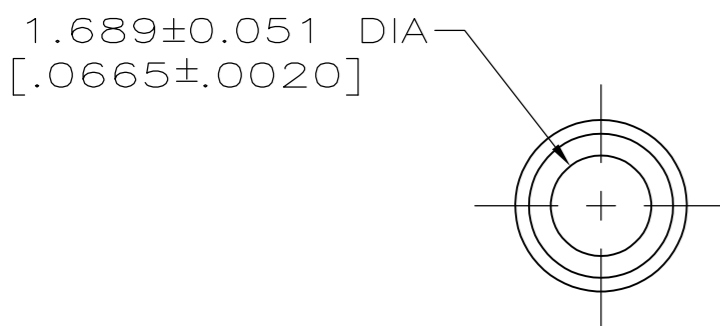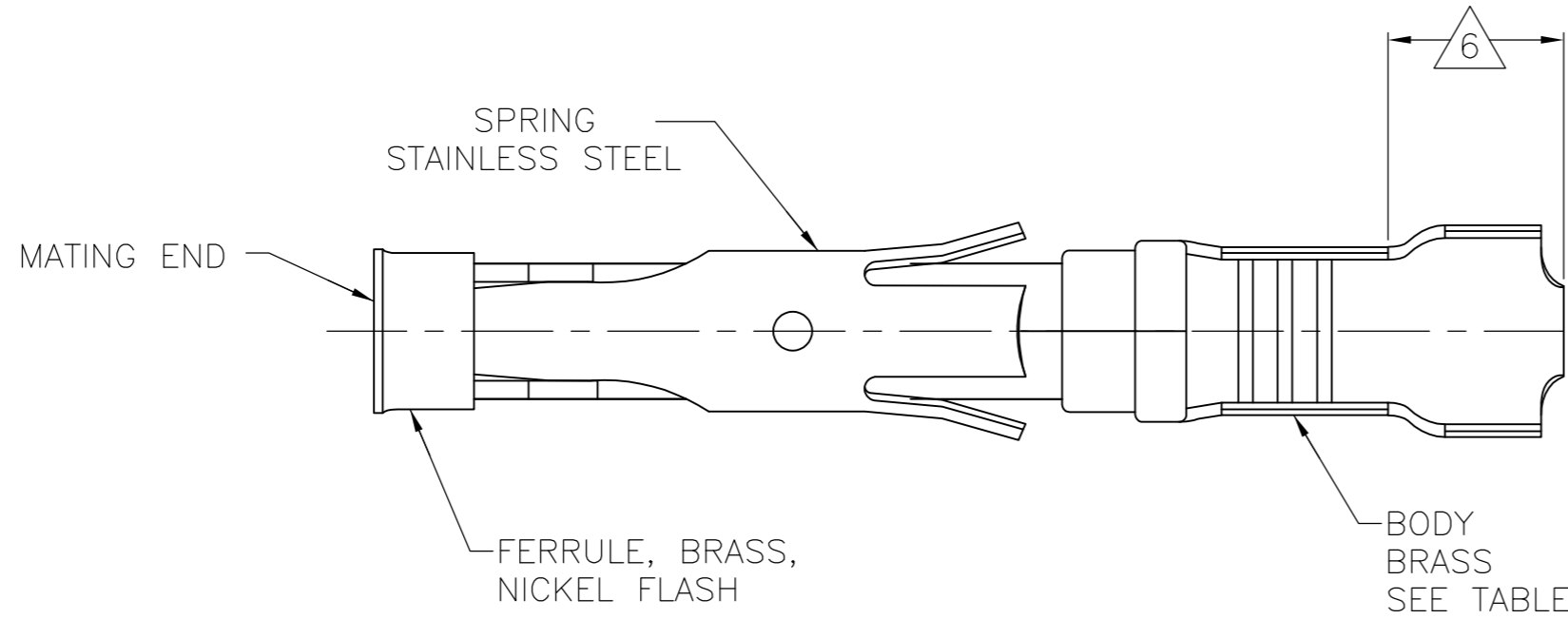
/1\ 0.76μm [.000030] MIN GOLD PER MIL-G-45204 ON MATING END FOR
A LENGTH OF 5.08 [.200] MIN WITH 1.27μm [.000050] MIN MATTE TIN PLATE
IN WIRE CRIMP AREA, BOTH OVER 0.76μm [.000030] MIN NICKEL PER QQ-N-290.

/2\ 1.27μm [.000050] MIN TIN-LEAD PER MIL-T-10727 OVER
0.76μm [.000030] MIN NICKEL PER QQ-N-290.

/3\ 0.76μm [.000030] MIN GOLD PER MIL-G-45204 ON MATING END FOR
A LENGTH OF 5.08 [.200] MIN WITH A UNIFORM GRADIENT TO 0.25μm
[.000010] MIN GOLD PER MIL-G-45204 ON THE REMAINDER OVER
0.76μm [.000030] MIN NICKEL PER QQ-N-290.

/4\ 0.38μm [.000015] MIN GOLD PER MIL-G-45204 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 0.76μm [.000030] MIN NICKEL PER QQ-N-290.

/5\ 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.

/6\ GOLD PLATING NOT REQUIRED IN THIS AREA.

7   ALL CONTACTS ON THIS DRAWING CAPABLE OF BE USED WITH:
A WIRE RANGE OF 18-16 AWG WITH AN INSULATION RANGE OF Ø2.03-2.54 [.080-.100] OR
A WIRE SIZE OF 0.75mm² WITH AN INSULATION RANGE OF Ø1.35-1.65 [.053-.065] OR
A WIRE SIZE OF 1.0mm² WITH AN INSULATION RANGE OF Ø1.45-1.80 [.057-.071]

/8\ 1.27μm [.000050] MIN TIN PER MIL-T-10727 OVER
0.76μm [.000030] MIN NICKEL PER QQ-N-290.

PACKAGING TYPE	BODY	STRIP P/N	PART NO
SMALL PACK	/8\	1-66100-9 OR 2-66100-0	2-66101-0
STANDARD	/8\	1-66100-9 OR 2-66100-0	1-66101-9
SMALL PACK	/1\	66100-4	1-66101-8
SMALL PACK	/4\	66100-3	1-66101-7
SMALL PACK	/2\	66100-2	1-66101-6
SMALL PACK	/3\	66100-1	1-66101-5
STANDARD	/5\	1-66100-7	~~1-66101-4~~
STANDARD	/1\	66100-4	66101-4
STANDARD	/4\	66100-3	66101-3
STANDARD	/2\	66100-2	66101-2
STANDARD	/3\	66100-1	66101-1

SUPERCEDED BY 66101-3

66101

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	L.SIPE	05/29/92
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
SOCKET ASSEMBLY,
LOOSE PIECE, TYPE III+

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-66101		—

CUSTOMER DRAWING

SCALE 8:1   SHEET 1 of 1   REV E2

Mouser Electronics

Authorized Distributor

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  [1-66101-9](#)