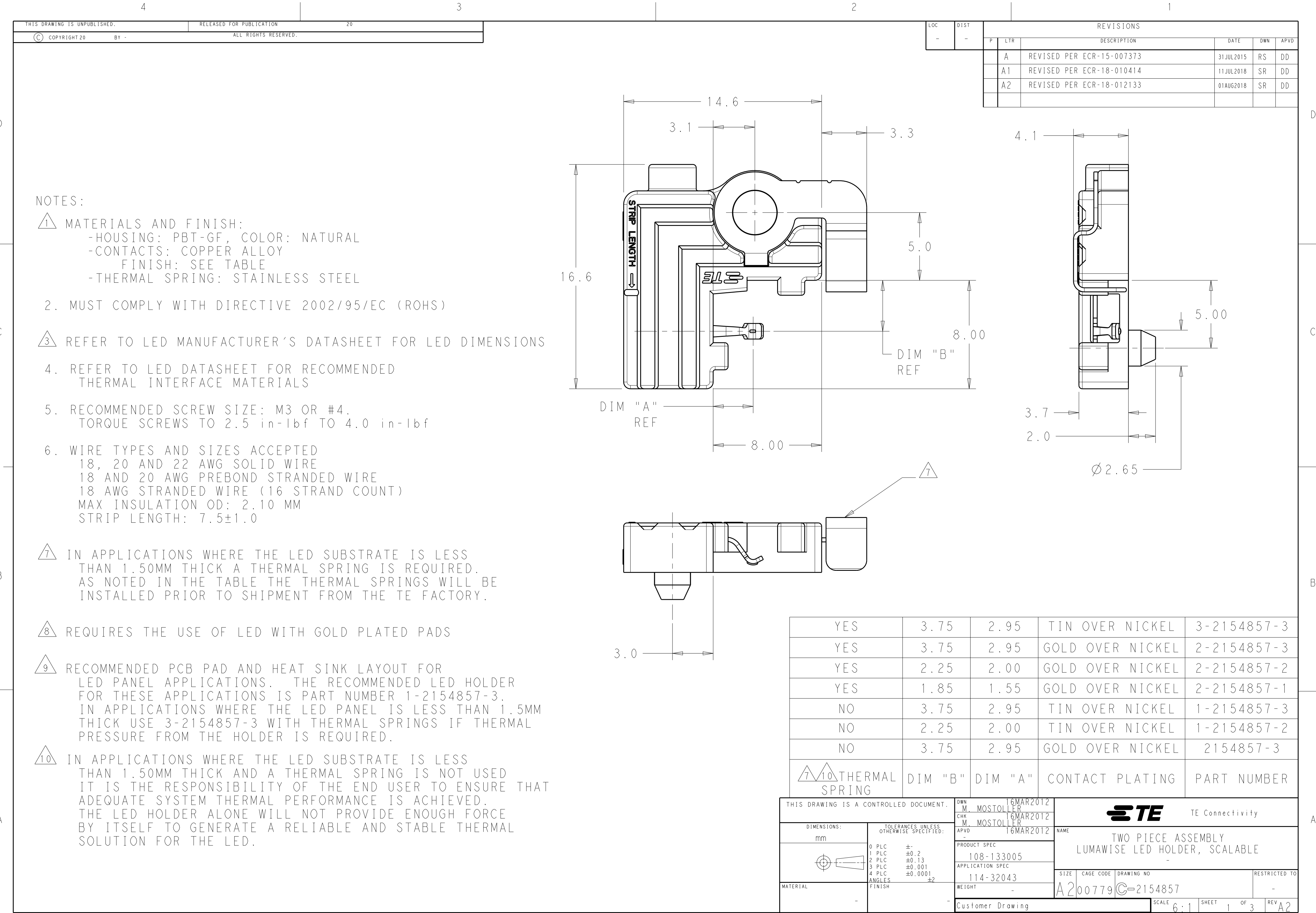




NOTES:

1

MATERIALS AND FINISH:

-HOUSING: PBT-GF, COLOR: NATURAL

-CONTACTS: COPPER ALLOY

FINISH: SEE TABLE

-THERMAL SPRING: STAINLESS STEEL

2. MUST COMPLY WITH DIRECTIVE 2002/95/EC (ROHS)

3

REFER TO LED MANUFACTURER'S DATASHEET FOR LED DIMENSIONS

4. REFER TO LED DATASHEET FOR RECOMMENDED THERMAL INTERFACE MATERIALS

5. RECOMMENDED SCREW SIZE: M3 OR #4.
TORQUE SCREWS TO 2.5 in-lbf TO 4.0 in-lbf

6. WIRE TYPES AND SIZES ACCEPTED
18, 20 AND 22 AWG SOLID WIRE
18 AND 20 AWG PREBOND STRANDED WIRE
18 AWG STRANDED WIRE (16 STRAND COUNT)
MAX INSULATION OD: 2.10 MM
STRIP LENGTH: 7.5±1.0

7

IN APPLICATIONS WHERE THE LED SUBSTRATE IS LESS THAN 1.50MM THICK A THERMAL SPRING IS REQUIRED. AS NOTED IN THE TABLE THE THERMAL SPRINGS WILL BE INSTALLED PRIOR TO SHIPMENT FROM THE TE FACTORY.

8

REQUIRES THE USE OF LED WITH GOLD PLATED PADS

9

RECOMMENDED PCB PAD AND HEAT SINK LAYOUT FOR LED PANEL APPLICATIONS. THE RECOMMENDED LED HOLDER FOR THESE APPLICATIONS IS PART NUMBER 1-2154857-3. IN APPLICATIONS WHERE THE LED PANEL IS LESS THAN 1.5MM THICK USE 3-2154857-3 WITH THERMAL SPRINGS IF THERMAL PRESSURE FROM THE HOLDER IS REQUIRED.

10

IN APPLICATIONS WHERE THE LED SUBSTRATE IS LESS THAN 1.50MM THICK AND A THERMAL SPRING IS NOT USED IT IS THE RESPONSIBILITY OF THE END USER TO ENSURE THAT ADEQUATE SYSTEM THERMAL PERFORMANCE IS ACHIEVED. THE LED HOLDER ALONE WILL NOT PROVIDE ENOUGH FORCE BY ITSELF TO GENERATE A RELIABLE AND STABLE THERMAL SOLUTION FOR THE LED.

14.6

3.1

3.3

16.6

5.0

8.00

DIM "B" REF

DIM "A" REF

8.00

3.0

STRIP LENGTH

3.7

2.0

Ø 2.65

4.1

5.00

7

3.0

YES	3.75	2.95	TIN OVER NICKEL	3-2154857-3
YES	3.75	2.95	GOLD OVER NICKEL	2-2154857-3
YES	2.25	2.00	GOLD OVER NICKEL	2-2154857-2
YES	1.85	1.55	GOLD OVER NICKEL	2-2154857-1
NO	3.75	2.95	TIN OVER NICKEL	1-2154857-3
NO	2.25	2.00	TIN OVER NICKEL	1-2154857-2
NO	3.75	2.95	GOLD OVER NICKEL	2154857-3
710 THERMAL SPRING	DIM "B"	DIM "A"	CONTACT PLATING	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN M. MOSTOLLER 16MAR2012

CHK M. MOSTOLLER 16MAR2012

APVD M. MOSTOLLER 16MAR2012

PRODUCT SPEC 108-133005

APPLICATION SPEC 114-32043

WEIGHT -

Customer Drawing

SCALE 6:1

SHEET 1 OF 3

REV A2

TE

TE Connectivity

NAME TWO PIECE ASSEMBLY LUMAWISE LED HOLDER, SCALABLE

SIZE A2

CAGE CODE 00779

DRAWING NO C-2154857

RESTRICTED TO -

1471-9 (3/11)

4

3

2

1

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RELEASED FOR PUBLICATION

20

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LOC

DIST

-

-

P

LTR

-

REVISIONS

DESCRIPTION

DATE

DWN

APVD

-

SEE SHEET 1

-

-

-

LED TYPE	LED DIMENSION	DIM "C"	DIM "D"	DIM "E"	DIM "F"	RECOMMENED SOCKET PART NUMBER
BRIDGELUX ES	25.5 X 22.3	9.70	16.30	6.30	15.80	1-2154857-2
BRIDGELUX LS	17.5 X 13.3	5.83	11.83	1.83	11.93	1-2154857-3
BRIDGELUX V10	15.8 X 15.80	4.95	13.05	3.05	11.05	2-2154857-1
BRIDGELUX V15	21.0 X 21.0	7.55	15.65	5.65	13.65	2-2154857-1
CITIZEN CLL020/022	13.5 X 13.5	3.80	11.90	1.90	9.90	2-2154857-1
CITIZEN CLL030/032	19.0 X 19.0	6.55	14.65	4.65	12.65	2-2154857-1
CITIZEN CLL040/042	28.0 X 28.0	11.05	19.15	9.15	17.15	2-2154857-2
CITIZEN CLL050/052	38.0 X 38.0	16.05	24.15	14.15	22.15	2-2154857-2
CITIZEN L330	28.0 X 19.0	11.05	14.65	4.65	17.15	2-2154857-3
CITIZEN L340	28.5 X 28.5	11.30	19.40	9.40	17.40	2-2154857-3
CREE CXA2011	22.0 X 22.0	8.05	16.15	6.15	14.15	1-2154857-3
CREE CXA13XX/CXB13XX	13.35 X 13.35	3.73	11.83	1.83	9.83	2-2154857-2
CREE CXA15XX/CXB15XX	15.85 X 15.85	4.98	13.08	3.08	11.08	2-2154857-2
CREE CXA1816/CXB1816	17.85 X 17.85	5.98	14.08	4.08	12.08	2-2154857-2
CREE CXB1820	17.85 X 17.85	5.98	14.08	4.08	12.08	2-2154857-2
CREE CXA1830/CXB1830	17.85 X 17.85	5.98	14.08	4.08	12.08	2-2154857-1
CREE CXA25XX	23.85 X 23.85	8.98	17.08	7.08	15.08	2-2154857-2
CREE CXA30XX	27.35 X 27.35	10.73	18.83	8.83	16.83	2-2154857-2
CREE CXA3590	34.85 x 34.85	14.48	22.58	12.58	20.58	2154857-3
EDISON-OPTO 2PHM09X	13.5 X 13.5	3.80	11.90	1.90	9.90	2-2154857-1
EDISON-OPTO 2PHM30X	19.0 X 19.0	6.55	14.65	4.65	12.65	2-2154857-1
LG INNOTEK 10,13,17,24W LEMWM	24.4 X 18.0	9.25	14.15	4.15	15.35	2-2154857-2
NICHIA COB L SERIES	19.0 X 16.0	6.55	13.15	3.15	12.65	2-2154857-1
NICHIA COB-J360	24.0 X 19.0	9.05	14.65	4.65	15.15	2-2154857-1
OSRAM GW KAJ	30.0 X 30.0	12.05	20.15	10.15	18.15	3-2154857-3
PHILIPS 1203	19.0 X 16.0	6.55	13.15	3.15	12.65	2-2154857-2
PHILIPS 1204,1205,1208	24.0 X 20.0	9.05	15.15	5.15	15.15	2-2154857-3
SAMSUNG LC013B	17.0 X 17.0	5.55	13.65	3.65	11.65	2-2154857-3
SAMSUNG LC026B,LC040B	21.5 X 21.5	7.80	15.90	5.90	13.90	2-2154857-3
SAMSUNG LC040D,LC060D,LC080D	28 X 28	11.05	19.15	9.15	17.15	2-2154857-2
SHARP MINI-ZENIGATA	15.0 X 12.0	4.55	11.15	1.15	10.65	2-2154857-1
SHARP MEGA-ZENIGATA	24.0 X 20.0	9.05	15.15	5.15	15.15	2-2154857-3
SEOUL SEMI SBWW1F1A	13.25 X 13.25	3.68	11.78	1.78	9.78	2-2154857-1
SEOUL SEMI SBWW2F1A	17.75 X 17.75	5.93	14.03	4.03	12.03	2-2154857-2

DRILL AND TAP FOR M3 OR #4 MOUNTING HARDWARE 2 PLACES

DRILL Ø2.75±0.05 FOR ALIGNMENT POST 2 PLACES

CENTER OF LED PACKAGE

DIM "C"±0.05

DIM "D"±0.05

DIM "E"±0.05

DIM "F"±0.05

DIM "C"±0.05

DIM "F"±0.05

DIM "E"±0.05

DIM "D"±0.05

RECOMMENDED MOUNTING HOLE PATTERN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.2

2 PLC ±0.13

3 PLC ±0.001

4 PLC ±0.0001

ANGLES ±2

FINISH

MATERIAL

-

DWN M. MOSTOLLER 16MAR2012

CHK M. MOSTOLLER 16MAR2012

APVD M. MOSTOLLER 16MAR2012

PRODUCT SPEC 108-133005

APPLICATION SPEC 114-32043

WEIGHT -

Customer Drawing

TE Connectivity

NAME

TWO PIECE ASSEMBLY LUMAWISE LED HOLDER, SCALABLE

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-2154857

-

-

SCALE

6:1

SHEET

2

OF

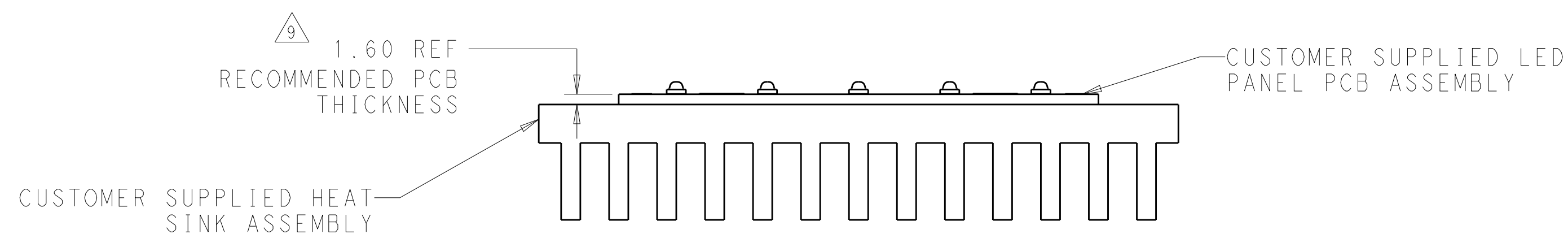
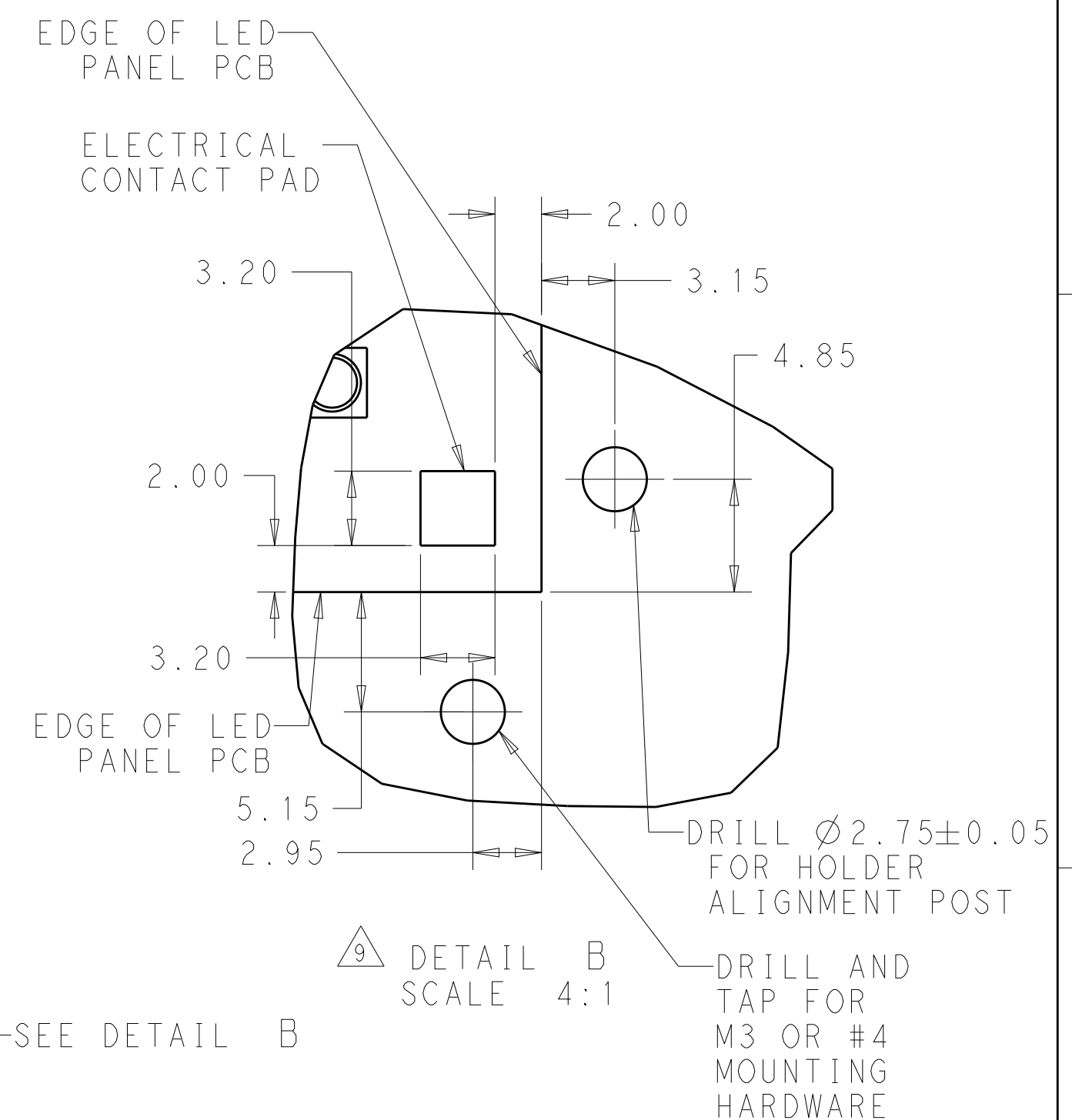
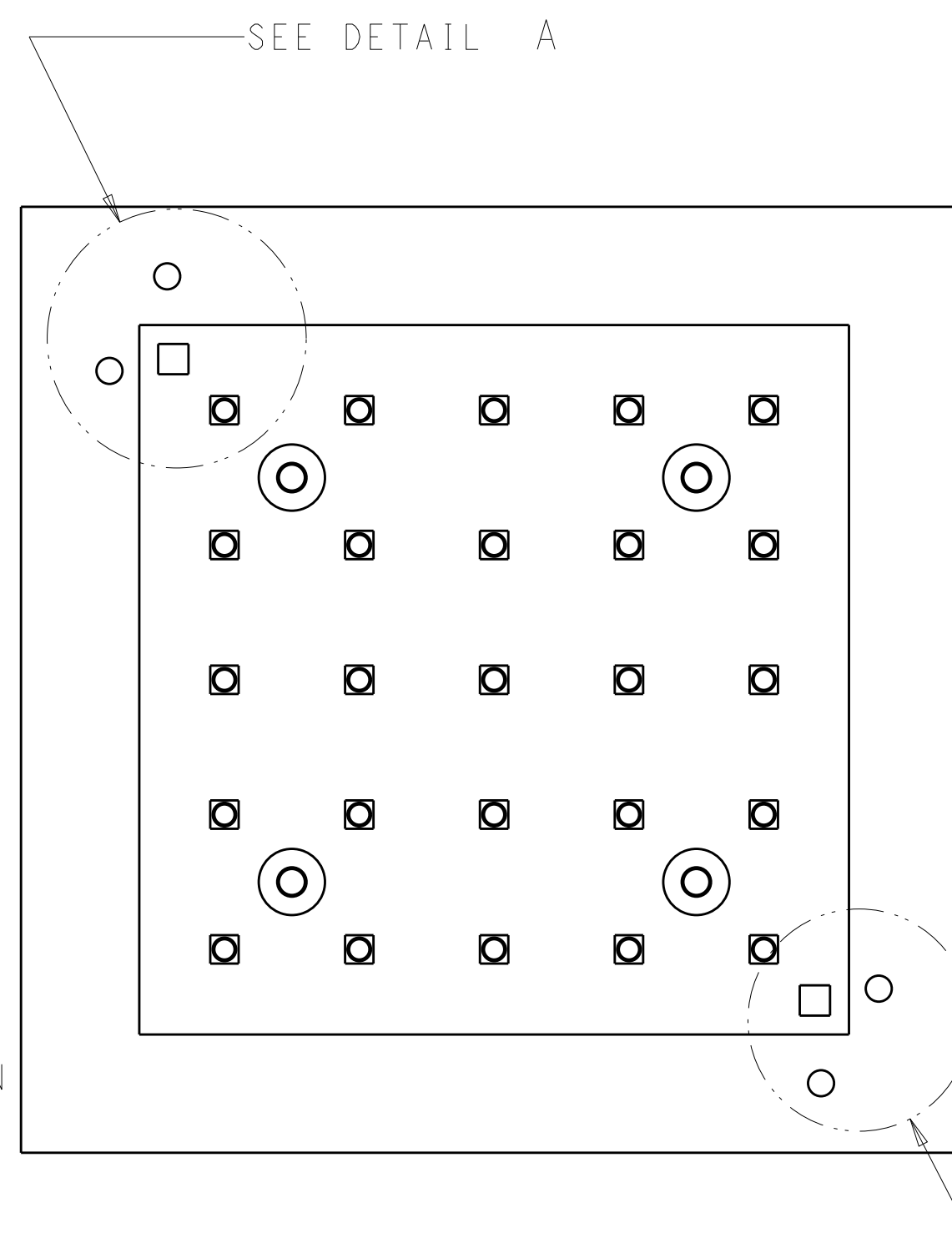
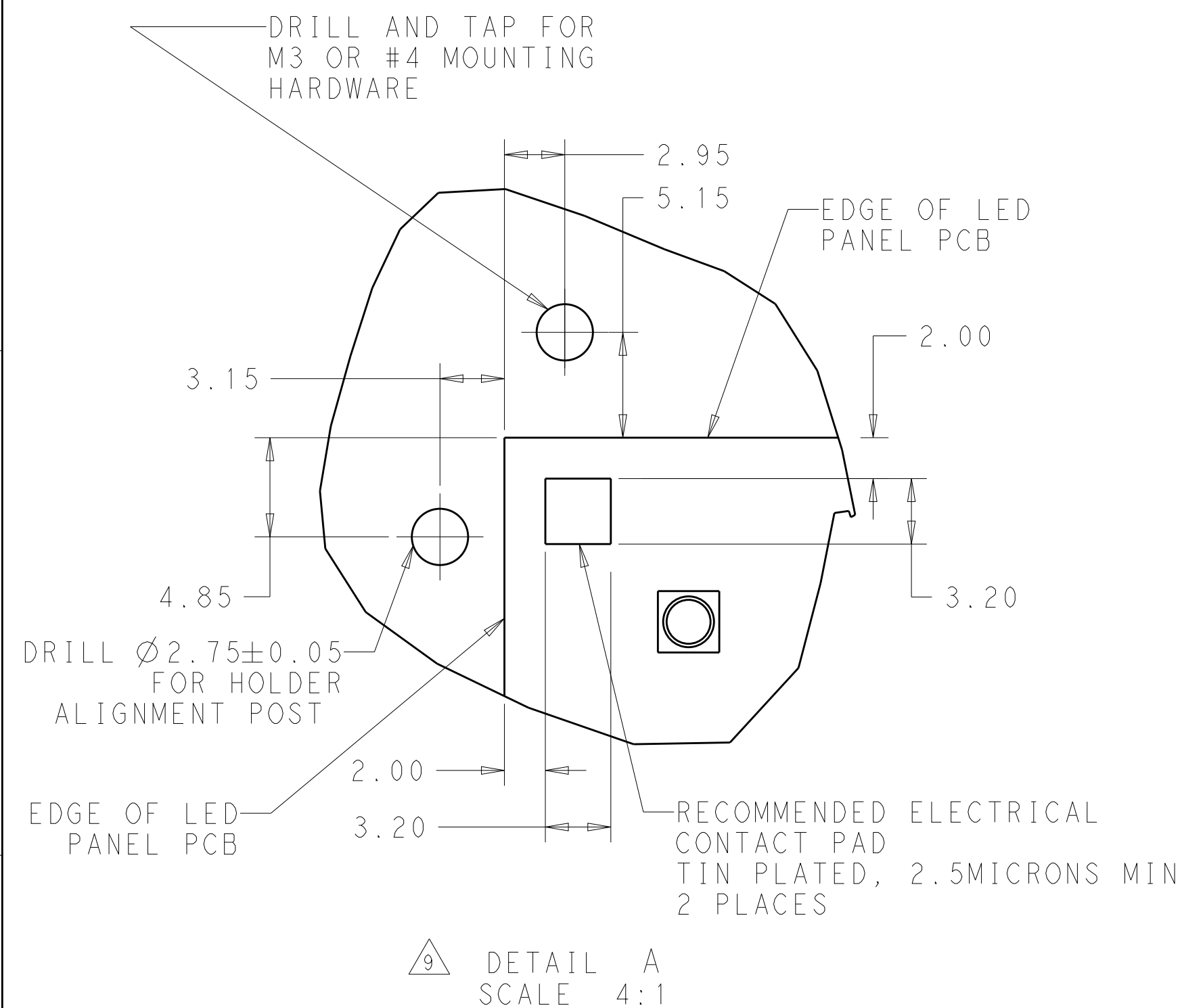
3

REV

A2

1471-9 (3/11)

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-		-	SEE SHEET 1	-	-	-



APPLICATION NOTE: IN ADDITION TO USE WITH COB LEDS THE SCALABLE LED HOLDER CAN BE UTILIZED TO MAKE AN ELECTRICAL CONNECTION TO FR4 OR IMS PCB ASSEMBLIES. RECOMMENDED DIMENSIONAL INFORMATION FOR THIS TYPE OF APPLICATION IS SHOWN IN THE DRAWING VIEWS ABOVE.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. MOSTOLIER 16MAR2012 CHK M. MOSTOLIER 16MAR2012 APVD M. MOSTOLIER 16MAR2012		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm .2$ 1 PLC $\pm .2$ 2 PLC $\pm .13$ 3 PLC $\pm .01$ 4 PLC $\pm .0001$ ANGLES ± 2 FINISH		NAME TWO PIECE ASSEMBLY LUMAWISE LED HOLDER, SCALABLE	
		PRODUCT SPEC 108-133005		APPLICATION SPEC 114-32043	
MATERIAL		WEIGHT		SIZE A2	CAGE CODE 00779
				DRAWING NO C-2154857	RESTRICTED TO -
		Customer Drawing		SCALE 6:1	SHEET 3 OF 3
				REV A2	