

THIS IS ISSUED IN STRICT CONFIDENCE  
THAT IT IS NOT USED AS A BASIS FOR  
MANUFACTURE OR SALE AND THAT IT IS  
NOT COPIED, REPRINTED OR  
DISCLOSED TO A THIRD PARTY EITHER  
WHOLLY OR IN PART WITHOUT THE  
PRIOR WRITTEN CONSENT OF CAL TEST  
ELECTRONICS, INC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CLASS A RELEASED: ORIGINAL PRODUCT DRAWING WAS P320300	4/15/2025	B. Hansen

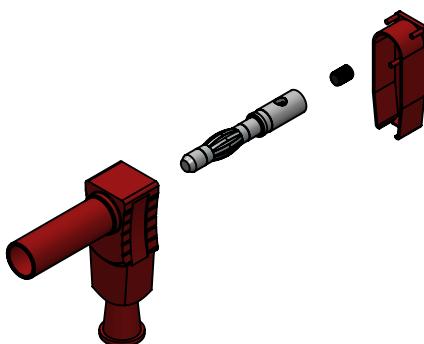
D

D

## NOTES:

1. DO IT YOURSELF (DIY), 4 mm RIGHT-ANGLE SHEATHED BANANA PLUG.
  - SHEET 2: PRODUCT DIMENSIONS
  - SHEET 3: ASSEMBLY INSTRUCTIONS
  - SHEET 4: ASSEMBLY INSTRUCTIONS CONTINUED
2. MATERIAL:
  - INSULATOR HOUSING AND CAP: POLYPROPYLENE
  - PLUG BODY: BRASS, NICKEL PLATED
  - CONTACT SPRING: BERYLLIUM COPPER, NICKEL PLATED
  - SET-SCREW: STEEL, BLACK OXIDE
3. RATING:
  - VOLTAGE: 1000 V CAT III P2.\*
  - CURRENT: 20 A MAX.\*

\* NOTE: WHEN ASSEMBLED USING TEST LEAD WIRE WITH DIFFERENT RATINGS, THE LOWER RATING APPLIES.
4. TEST LEAD WIRE:
  - CONDUCTOR:  $\phi 2.0 \text{ mm}$  [.08 in] MAX.
  - INSULATOR:  $\phi 4.0 \text{ mm}$  [.16 in] MAX.
  - STRIP LENGTH: 6.4 mm [.25 in]
5. CE AND RoHS 2 COMPLIANT



ISOMETRIC VIEW  
FULL SCALE

## MODEL NUMBER

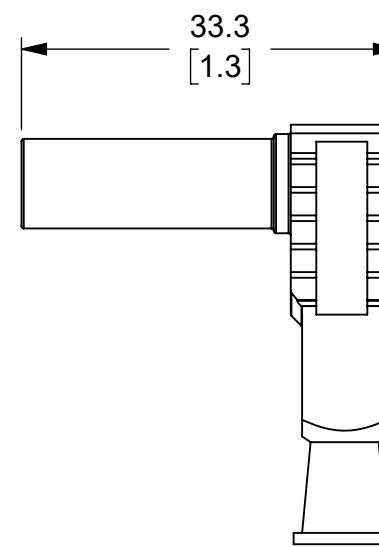
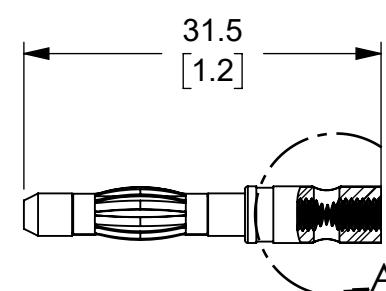
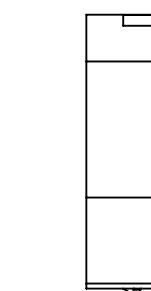
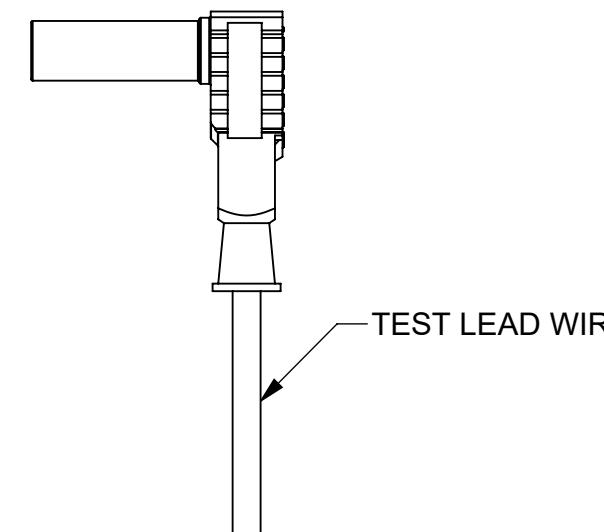
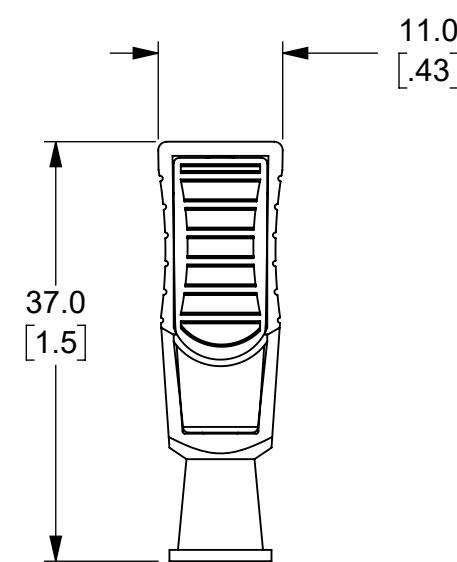
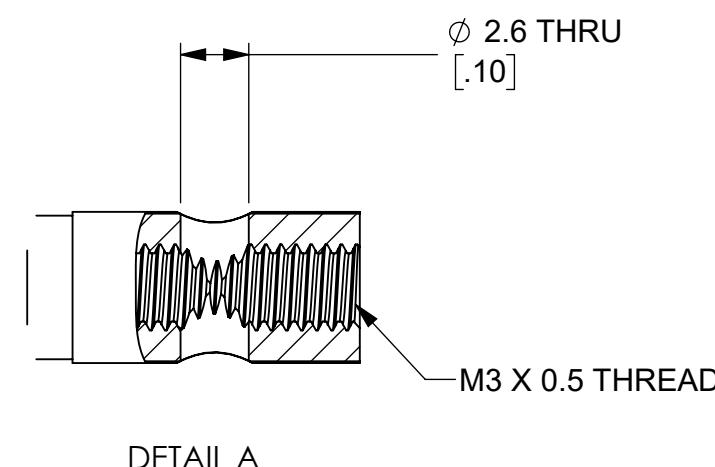
CT3203 - # - #

COLOR: -0 BLACK  
-2 RED  
-4 YELLOW  
-5 GREEN  
-6 BLUE  
-9 WHITE

VERSION: "NONE" (SOLDERLESS)  
-S (SOLDER)

THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: $XX = \pm 0.5$ $XX^* = \pm 0.5^*$ $XXX = \pm 0.25$ $XXX^* = \pm 0.125$ DO NOT SCALE DRAWING	PROJECT NO.		METRIC	 22820 Savi Ranch Pkwy. Yorba Linda, CA 92887 USA	
APPROVALS	DATE		DRAWN	GSG			
SEE NOTES			CHECKER	B. HANSEN	4/8/2025		
			TREATMENT	ENGR.	B. HANSEN	04/12/2022	
			FINISH	DESIGN ACTIVITY			
			SEE NOTES				
					SCALE	1:1	
							SHEET 1 OF 4
							REV. A

D

INSULATOR HOUSINGBANANA PLUGSET-SCREW NOT INCLUDED  
WITH SOLDER VERSIONINSULATOR CAPDIY PLUG ASSEMBLED

DETAIL A

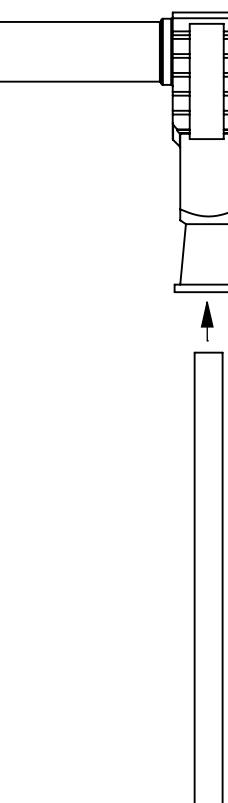
**METRIC**

APPROVALS		DATE	SIZE	CAGE CODE	DWG. NO.	REV.
DRAWN	GSG	4/8/2025	B	43F45	CT3203	A
CHECKER	B. HANSEN	4/8/2025	SCALE	1:1		
			SHEET	2 OF 4		

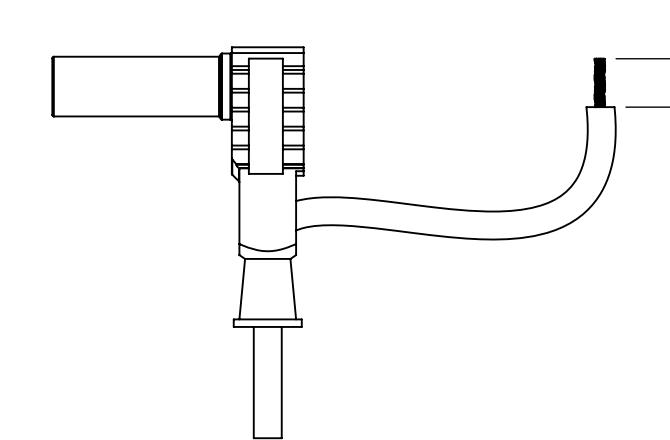
ASSEMBLY INSTRUCTIONS: CT3203  
NOTE: 1.5 mm HEX-WRENCH REQUIRED FOR SOLDERLESS  
VERSION (P/N: CT2919 AVAILABLE, NOT INCLUDED).

- ① PUSH TEST LEAD WIRE THROUGH UNDER HOUSING UNTIL IT EXTENDS OUT THE BACK OF ASSEMBLY INSULATOR.
- ② STRIP WIRE JACKET 6.4 mm [.25 in].
- ③ POSITION WIRE CONDUCTOR AS SHOWN FOR THE TWO ASSEMBLY VERSIONS.
- ④ SECURE WIRE BY TIGHTENING CONDUCTOR SET-SCREW (SOLDERLESS).
  - RECOMMENDED TORQUE: 1.0 - 2.0 in-lbs.
  - TUG ON TEST LEAD WIRE TO CONFIRM CONNECTION.
- ⑤ APPLY SOLDER IN EITHER OF THE TWO SPECIFIED AREAS (SOLDER).
- ⑥ ENSURE SOLDER REMAINS FLUSH TO UNDER FLUSH WITH SPECIFIED SURFACE.
- ⑦ PRESS PLUG INTO INSULATOR HOUSING UNTIL IT BOTTOMS OUT. PULL WIRE AT LOWER END OF HOUSING AND POSITION WIRE JACKET IN SLOTTED AREA.
- ⑧ ALIGN SLOTS AND HOLES THEN PRESS CAP UNTIL BOTTOM TAB SNAPS SECURELY IN PLACE.

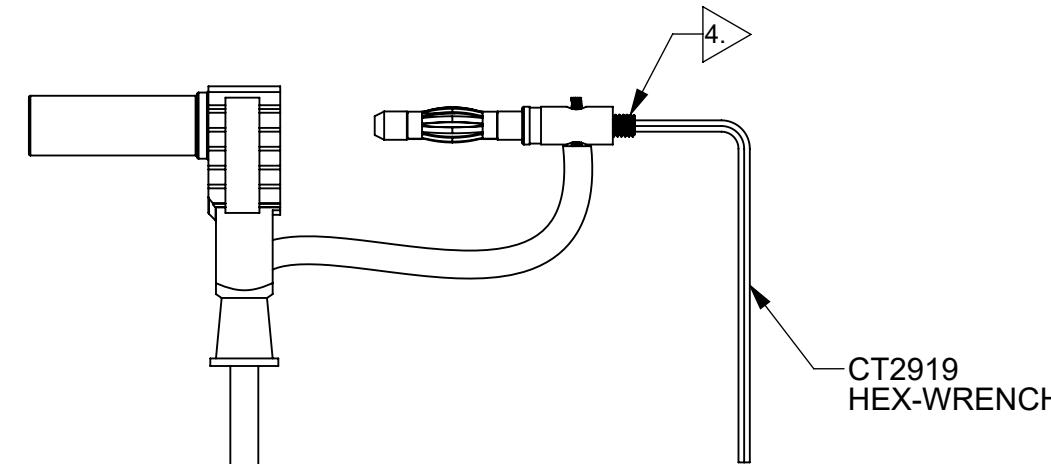
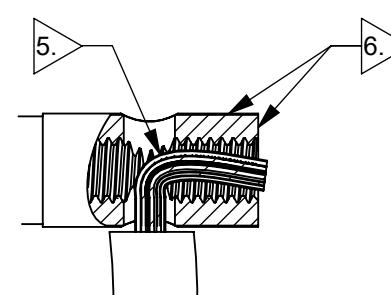
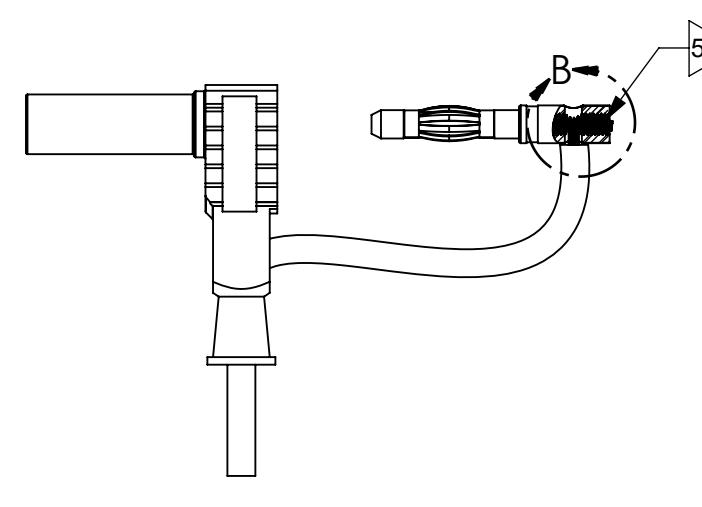
①.



②.

6.4  
.25

③.

SOLDERLESSSOLDER

DETAIL B

D

D

D

C

C

C

B

B

B

A

A

A

METRIC

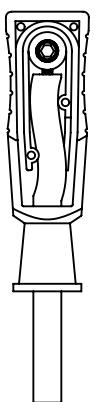
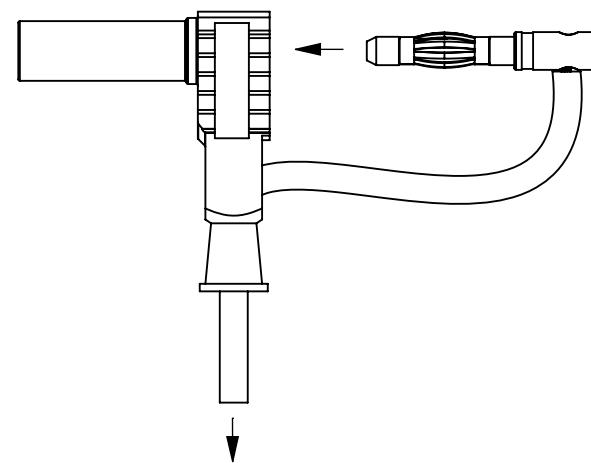
APPROVALS		DATE	SIZE	CAGE CODE	DWG. NO.	REV.
DRAWN	GSG	4/8/2025	B	43F45		A
CHECKER	B. HANSEN	4/8/2025	SCALE	1:1		

CT3203

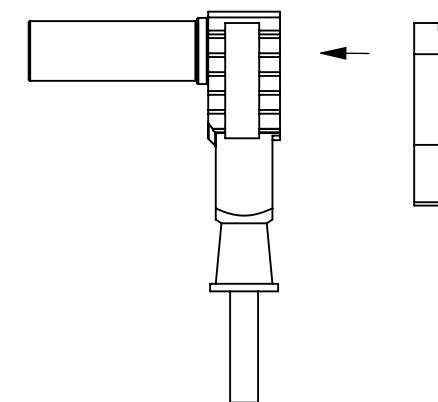
3 OF 4

D

(7.)



(8.)



C

D

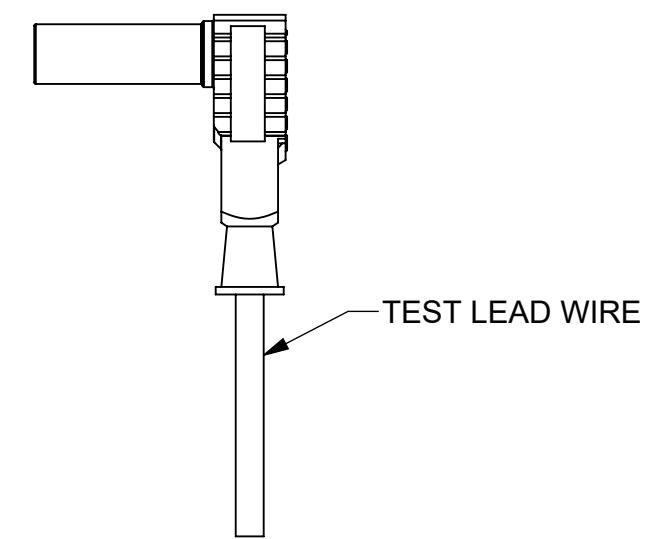
B

C

A

B

A



METRIC

APPROVALS		DATE	SIZE	CAGE CODE	DWG. NO.	REV.
DRAWN	GSG	4/8/2025	B	43F45		A
CHECKER	B. HANSEN	4/8/2025	SCALE	1:1		
					SHEET	4 OF 4