REVISION D

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THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

ECUE-XX-XXX-XX-XX-XX-2-XX

- No OF PAIRS: -08 (T3 CABLE ONLY)
- ASSEMBLY LENGTH: 007 - 999 cm (SEE NOTE 8 & 10)
- SHIELDED CABLE TYPE: -T3: TF-34100C-04-S-T-TB-0700 (34AWG TWINAX, 8 PAIRS ONLY)
- WIRING OPTION (SEE TABLE 1): -01 "A1 TO A19"; -02 "A1 TO B1"; -B4 (8 PAIR ONLY) "A1 TO B19" (SEE NOTE 10)
- END 2 OPTION: -FF: ECUE
- -2: -2: 28Gb WAFER BODY
- OPTION: BLANK: STANDARD FIREFLY; -D1: DECOUPLING CAPACITORS (SEE NOTE 7) ONLY AVAILABLE WITH -02 & -B4 WIRE OPTION

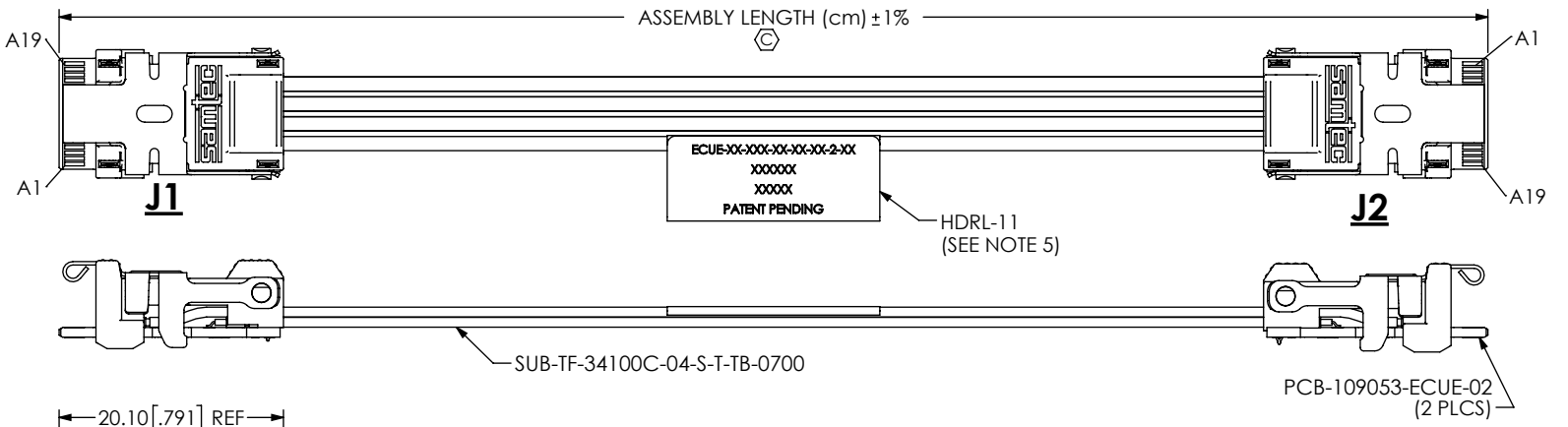


FIG 1
WIRING OPTION -01
ECUE-08-XXX-T3-FF-01-2 SHOWN

TABLE 1		
WIRING OPTION	END 1 -FF ECUE PIN #	END 2 -FF ECUE PIN #
01	A1	A19
02	A1	B1
B4	A1	B19

TABLE 6
ECUE-08-XXX-T3-FF-01-2 SIGNAL MAPPING
(8 PAIRS, -01 WIRING OPTION)

J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19
NAME	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G
J2	A19	A18	A17	A16	A15	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	B19	B18	B17	B16	B15	B14	B13	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. PARTS TO BE PROCESSED PER SAMTEC WORKMANSHIP GUIDELINES.
3. Ⓒ ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED.
4. Ⓒ ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
5. LABEL TO BE CENTERED ON CABLE AS SHOWN. LABEL TO CONTAIN:
   LINE 1 - PART NUMBER "ECUE-XX-XXX-XX-XX-XX-2-XX"
   LINE 2 - SHOP ORDER NUMBER "XXXXXX"
   LINE 3 - DATE CODE "XXXXX"
   LINE 4 - PATENT PENDING
6. FOR SUB-ASSEMBLY AND FINISHED GOOD PACKAGING REQUIREMENTS, REFERENCE SAMTEC PACKAGING MANUAL.
7. -D1 OPTION USES 0.1µF DECOUPLING CAPACITORS.
8. CABLE LENGTHS LONGER THAN 150 cm NOT SUPPORTED BY SI TEST DATA.
9. PIN 3 ON UCC8 CONNECTION TIED TO GROUND, REMAINDER ARE NO CONNECT.
10. MINIMUM LENGTH 10 CM FOR -B4 WIRING OPTION.
11. REFER TO PREP-SPEC.PDF FOR CABLE PREP DIMENSIONS. ASSEMBLY USES HIGH SPEED PCB PREP.

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS.
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS: .X: ±.3[.01] .XX: ±.13[.005] .XXX: ±.051[.0020]
ANGLES: 2°

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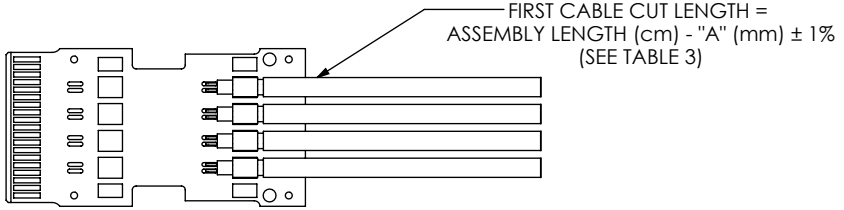
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING
HOUSING: LCP
LATCH: STAINLESS STEEL
WELD TAB: BRASS
CABLE: JACKET: PVC
DIELECTRIC: FEP
CONDUCTORS: SILVER PLATED COPPER
SHIELD: SERVED SILVER PLATED COPPER
PCB: FR4, COPPER

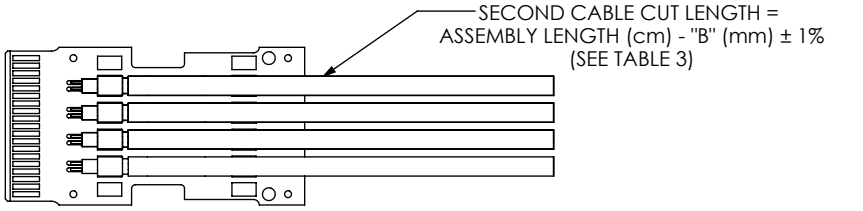
DESCRIPTION: FIREFLY CABLE ASSEMBLY
DWG. NO. ECUE-XX-XXX-XX-XX-XX-2-XX
BY: JERRY SU 05/19/2017 SHEET 1 OF 4

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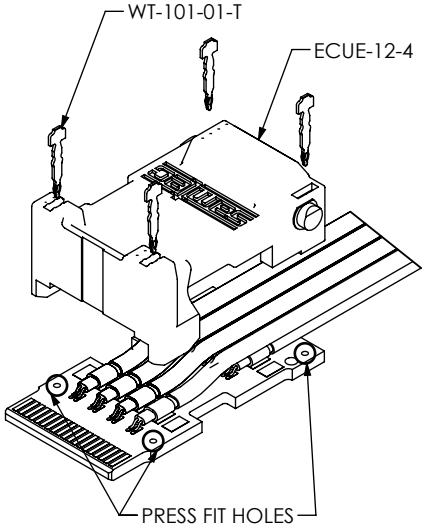
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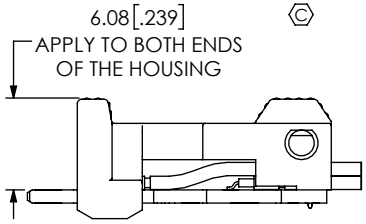


IN PROCESS 1
SOLDER FIRST CABLE TO PCB

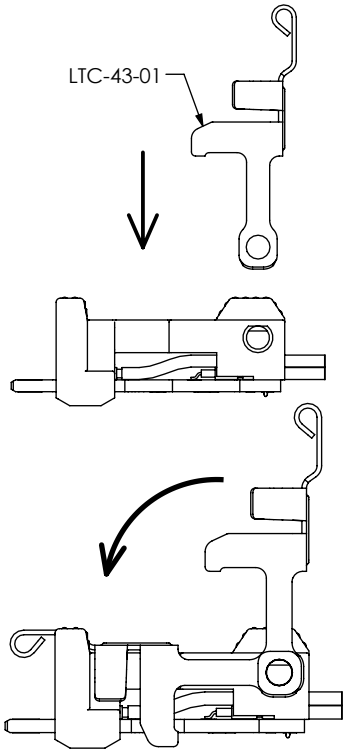


IN PROCESS 2
SOLDER SECOND CABLE TO PCB

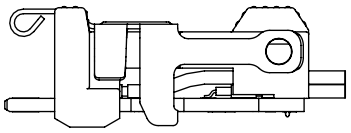




IN PROCESS 3
INSERT WELD TABS & ATTACH TO BOARD



IN PROCESS 4
ATTACH LATCH AND
ROTATE INTO DOWN POSITION



IN PROCESS 5
SOLDER WELD TABS

TABLE 3

END 2 OPTION	CABLE TYPE	WIRING OPTION					
		-01		-02		-B4	
		"A" mm[in.]	"B" mm[in.]	"A" mm[in.]	"B" mm[in.]	"A" mm[in.]	"B" mm[in.]
-FF: (ECUE)	-T3	26.29 [1.035]	8.51 [0.335]	17.41 [0.685]	17.41 [0.685]	17.43 [0.686]	17.43 [0.686]

F:\DWG\MISC\MKTG\ECUE-XX-XXX-XX-XX-XX-2-XX-MKT.SLDDRW

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DESCRIPTION:
FIREFLY CABLE ASSEMBLY

DWG. NO.
ECUE-XX-XXX-XX-XX-XX-2-XX

BY: JERRY SU 05/19/2017 SHEET 2 OF 4

REVISION D

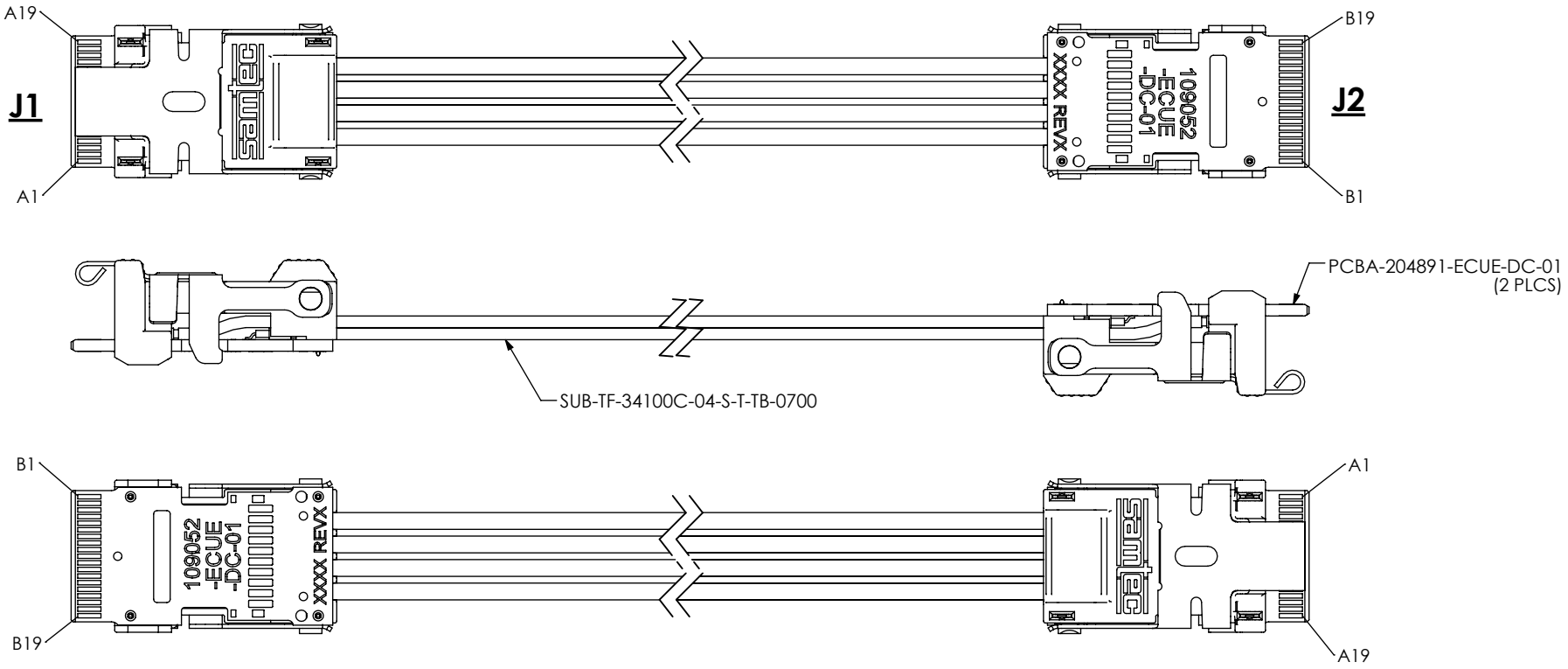


FIG 2
WIRING OPTION -02
ECUE-08-XXX-T3-FF-02-2-D1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 7
ECUE-08-XXX-T3-FF-02-2-XX SIGNAL MAPPING
(8 PAIRS, -02 WIRING OPTION)

J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19
NAME	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G
J2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19

TABLE 5

No OF PAIRS	CABLE TYPE	END 2 OPTION	DC OPTION	PCBX-XXXXXX		SUB-TXF-XXXXX
				END 1	END 2	
-08	-T3	-FF	(BLANK)	PCB-109053-ECUE-02	PCB-109053-ECUE-02	SUB-TF-34100C-04-S-T-TB-0700
			-D1	PCBA-204891-ECUE-DC-01	PCBA-204891-ECUE-DC-01	SUB-TF-34100C-04-S-T-TB-0700

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DESCRIPTION: FIREFLY CABLE ASSEMBLY

DWG. NO. ECUE-XX-XXX-XX-XX-XX-2-XX

BY: JERRY SU 05/19/2017 SHEET 3 OF 4

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TABLE 8

ECUE-08-XXX-T3-FF-B4-2-XX SIGNAL MAPPING

(8 PAIRS, -B4 WIRING OPTION)

J1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19
NAME	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G	G	S	S	G	S	S	G	G	G	G	G	G	G	S	S	G	S	S	G
J2	B19	B18	B17	B16	B15	B14	B13	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1	A19	A18	A17	A16	A15	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1

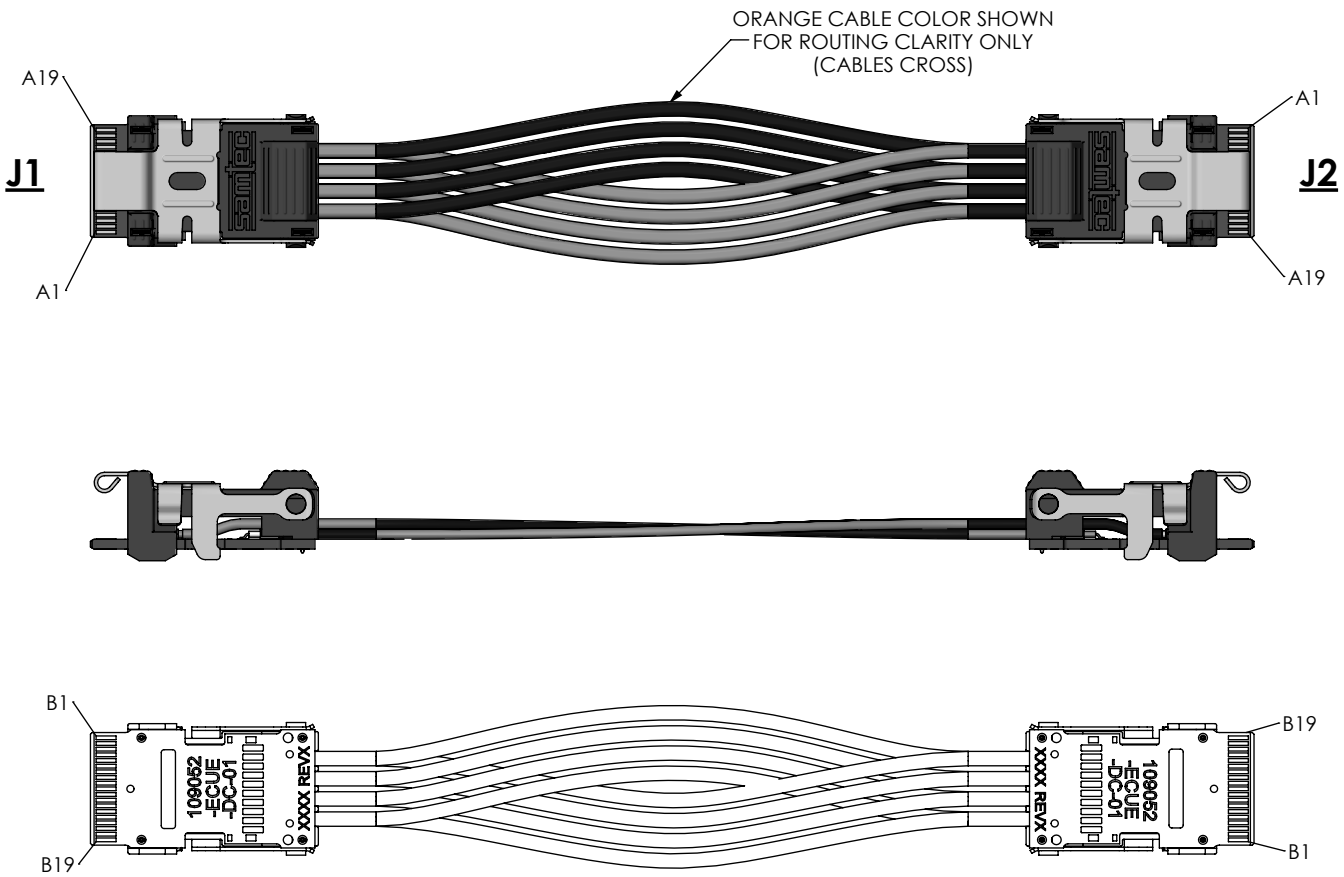


FIG 3
WIRING OPTION -B4
ECUE-08-XXX-T3-FF-B4-2-D1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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ECUE-XX-XXX-XX-XX-XX-2-XX

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