

**No OF PAIRS**  
-04, -08, -16, -32

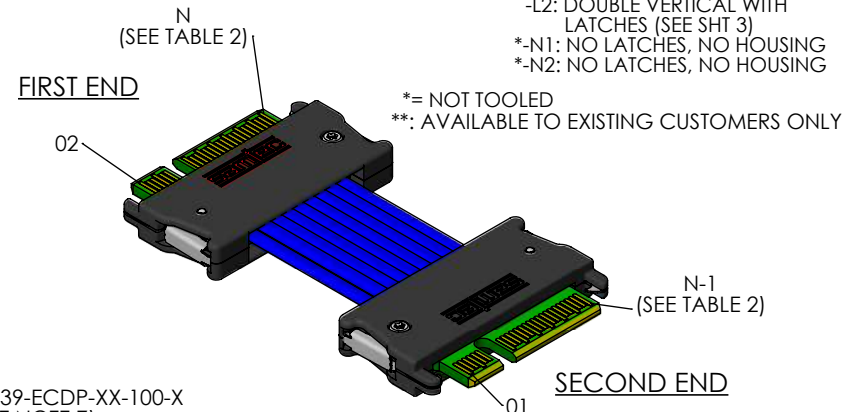
**LENGTH**  
-XX.XX (INCHES)  
(03.75[95.3] MIN)  
(SEE NOTE 2)  
(SEE NOTE 10)

**CABLE**  
\*\*-1: 100Ω ACCELERATE  
\*\*-2: 85Ω ACCELERATE  
-3: 100Ω EYESPEED

**FIRST END**  
-B1: BOARD LOCK, NO HOUSING  
-L1: DOUBLE VERTICAL  
WITH LATCHES (SEE SHT 3)  
\*-N1: NO LATCHES, NO HOUSING

**WIRING OPTION**  
-1: PIN 1 TO PIN 1  
-2: PIN 1 TO PIN 2  
-3: PIN 1 TO PIN N-1  
-4: PIN 1 TO PIN N

**SECOND END**  
-B1: BOARD LOCK, NO HOUSING  
-B2: BOARD LOCK, NO HOUSING  
-L1: DOUBLE VERTICAL WITH LATCHES (SEE SHT 3)  
-L2: DOUBLE VERTICAL WITH LATCHES (SEE SHT 3)  
\*-N1: NO LATCHES, NO HOUSING  
\*-N2: NO LATCHES, NO HOUSING



\*= NOT TOOLED  
\*\*= AVAILABLE TO EXISTING CUSTOMERS ONLY

DO NOT SCALE FROM THIS PRINT

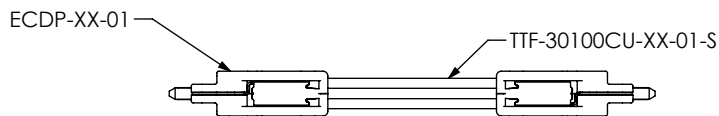
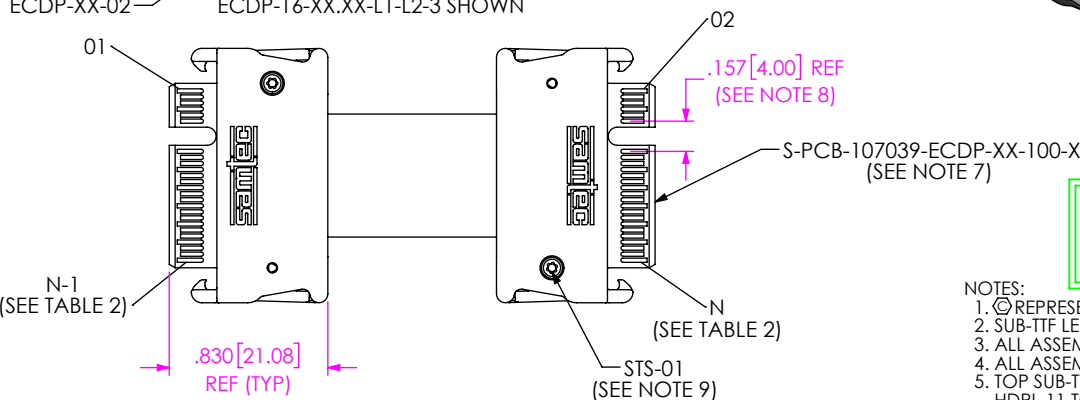


FIG 1  
ECPD-XX-02 ECPD-16-XX.XX-LT-L2-3 SHOWN



**THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

**TABLE 2**

No. OF PAIRS	N	N-1
-04	18	17
-08	26	25
-16	50	49
-32	98	97

- NOTES:
- ⊙ REPRESENTS A CRITICAL DIMENSION.
  - SUB-TTF LENGTH IS EQUAL TO ECDP LENGTH.
  - ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
  - ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
  - TOP SUB-TTF NOT SHOWN IN THIS VIEW FOR CLARITY; HDRL-11 TO BE CENTERED ON LOWER SUB-TTF AS SHOWN. HDRL-11 IS TO CONTAIN PART NUMBER, SHOP NUMBER & DATE CODE.
  - PACKAGE ASSEMBLIES IN STATIC DISSIPATION BAGS.
  - FOR PRE-TINNING PROCESSING INFORMATION ON THE SUB-PCB'S, SEE TRAVELERS: PCB-102781-ECDP-XX-XXX-X, PCB-104164-ECDP-XX-XXX-X, PCB-107039-ECDP-XX-XXX-X AND PCB-107040-ECDP-XX-XXX-X.
  - KEY CONSUMES FOUR PITCHES.
  - TIGHTEN STS-01 TO 1.4-1.7 IN-LBS.
  - CABLE LENGTHS LONGER THAN 40.00[1016.0] ARE NOT SUPPORTED BY S.I. TEST DATA.
  - USE SAMTEC PART NUMBER EPOXY-06 FOR EPOXY APPLICATION.
  - NO HEAT SHRINK FOR -NX & -BX END WITH -3 CABLE (100 OHM EYESPEED).
  - REFER TO PREP-SPEC DRAWING FOR CABLE PREP DIMENSIONS. ASSEMBLY USES STANDARD PCB PREP.

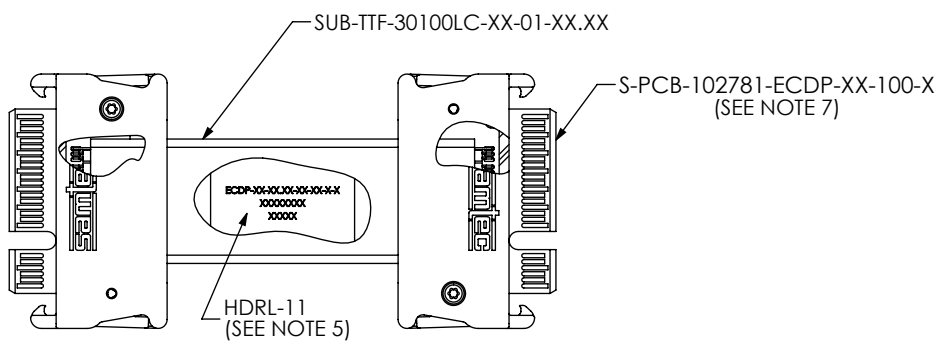


FIG 2  
ECPD-16-XX.XX-LT-L2-1 SHOWN  
(NOT TOOLED)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01 [.3] .XXX: ±.005 [.13] .XXXX: ±.0020 [.051]	<p><b>PROPRIETARY NOTE</b></p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.</p>	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322</p>

**TABLE 1**

**-LX 100 OHM ACCELERATE**

No. OF PAIRS	"A"	SUB-TTF QTY	SUB-TTF-30100LC-XX-01-XX.XX	S-PCB-102781-ECDP-XX-100-X (SEE NOTE 7)	ECDP-XX-01	ECDP-XX-02
-04	.821 [20.85]	2	SUB-TTF-30100LC-02-01-XX.XX	S-PCB-102781-ECDP-004-100-X	ECDP-04-01	ECDP-04-02
-08	.947 [24.05]	2	SUB-TTF-30100LC-04-01-XX.XX	S-PCB-102781-ECDP-008-100-X	ECDP-08-01	ECDP-08-02
-16	1.325 [33.66]	2	SUB-TTF-30100LC-08-01-XX.XX	S-PCB-102781-ECDP-016-100-X	ECDP-16-01	ECDP-16-02
-32	2.081 [52.86]	4	SUB-TTF-30100LC-08-01-XX.XX	S-PCB-102781-ECDP-032-100-X	ECDP-32-01	ECDP-32-02

**-LX 85 OHM ACCELERATE**

No. OF PAIRS	"A"	SUB-TTF QTY	SUB-TTF-3085LC-XX-01-XX.XX	S-PCB-102781-ECDP-XX-85-X (SEE NOTE 7)	ECDP-XX-01	ECDP-XX-02
-04	.821 [20.85]	2	SUB-TTF-3085LC-02-01-XX.XX	S-PCB-102781-ECDP-004-85-X	ECDP-04-01	ECDP-04-02
-08	.947 [24.05]	2	SUB-TTF-3085LC-04-01-XX.XX	S-PCB-102781-ECDP-008-85-X	ECDP-08-01	ECDP-08-02
-16	1.325 [33.66]	2	SUB-TTF-3085LC-08-01-XX.XX	S-PCB-102781-ECDP-016-85-X	ECDP-16-01	ECDP-16-02
-32	2.081 [52.86]	4	SUB-TTF-3085LC-08-01-XX.XX	S-PCB-102781-ECDP-032-85-X	ECDP-32-01	ECDP-32-02

**-LX 100 OHM EYESPEED**

No. OF PAIRS	"A"	SUB-TTF QTY	TTF-30100CU-XX-01-S	S-PCB-107039-ECDP-XX-100-X (SEE NOTE 7)	ECDP-XX-01	ECDP-XX-02
-04	.821 [20.85]	2	TTF-30100CU-02-01-S	S-PCB-107039-ECDP-004-100-X	ECDP-04-01	ECDP-04-02
-08	.947 [24.05]	2	TTF-30100CU-04-01-S	S-PCB-107039-ECDP-008-100-X	ECDP-08-01	ECDP-08-02
-16	1.325 [33.66]	2	TTF-30100CU-08-01-S	S-PCB-107039-ECDP-016-100-X	ECDP-16-01	ECDP-16-02
-32	2.081 [52.86]	4	TTF-30100CU-08-01-S	S-PCB-107039-ECDP-032-100-X	ECDP-32-01	ECDP-32-02

**-NX 100 OHM ACCELERATE**

No. OF PAIRS	"B"	SUB-TTF QTY	SUB-TTF-30100LC-XX-01-XX.XX	S-PCB-102781-ECDP-XX-100-X (SEE NOTE 7)	HST-X.XXX-XX-XXX
-04	.513 [13.03]	2	SUB-TTF-30100LC-02-01-XX.XX	S-PCB-102781-ECDP-004-100-X	HST-0.250-01-CLR
-08	.639 [16.23]	2	SUB-TTF-30100LC-04-01-XX.XX	S-PCB-102781-ECDP-008-100-X	HST-0.375-01-CLR
-16	1.017 [25.83]	2	SUB-TTF-30100LC-08-01-XX.XX	S-PCB-102781-ECDP-016-100-X	HST-0.625-01-CLR
-32	1.773 [45.03]	4	SUB-TTF-30100LC-08-01-XX.XX	S-PCB-102781-ECDP-032-100-X	HST-1.000-01-CLR

**-NX 85 OHM ACCELERATE**

No. OF PAIRS	"B"	SUB-TTF QTY	SUB-TTF-3085LC-XX-01-XX.XX	S-PCB-102781-ECDP-XX-85-X (SEE NOTE 7)	HST-X.XXX-XX-XXX
-04	.513 [13.03]	2	SUB-TTF-3085LC-02-01-XX.XX	S-PCB-102781-ECDP-004-85-X	HST-0.250-01-CLR
-08	.639 [16.23]	2	SUB-TTF-3085LC-04-01-XX.XX	S-PCB-102781-ECDP-008-85-X	HST-0.375-01-CLR
-16	1.017 [25.83]	2	SUB-TTF-3085LC-08-01-XX.XX	S-PCB-102781-ECDP-016-85-X	HST-0.625-01-CLR
-32	1.773 [45.03]	4	SUB-TTF-3085LC-08-01-XX.XX	S-PCB-102781-ECDP-032-85-X	HST-1.000-01-CLR

**-NX 100 OHM EYESPEED**

No. OF PAIRS	"B"	SUB-TTF QTY	TTF-30100CU-XX-01-S	S-PCB-107039-ECDP-XX-100-X (SEE NOTE 7)	HST-X.XXX-XX-XXX (SEE NOTE 12)
-04	.513 [13.03]	2	TTF-30100CU-02-01-S	S-PCB-107039-ECDP-004-100-X	N/A
-08	.639 [16.23]	2	TTF-30100CU-04-01-S	S-PCB-107039-ECDP-008-100-X	N/A
-16	1.017 [25.83]	2	TTF-30100CU-08-01-S	S-PCB-107039-ECDP-016-100-X	N/A
-32	1.773 [45.03]	4	TTF-30100CU-08-01-S	S-PCB-107039-ECDP-032-100-X	N/A

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 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
 DIFF PAIR EDGE CARD CABLE ASSEMBLY

DWG. NO.  
**ECDP-XX-XX.XX-XX-XX-X-X**

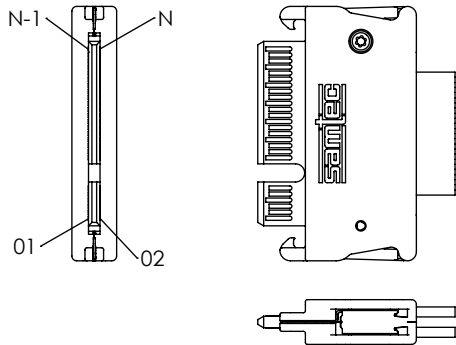
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REVISION W

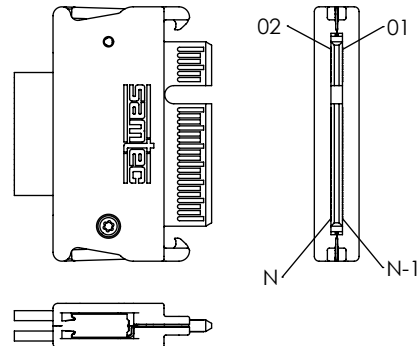
FIRST END

SECOND END

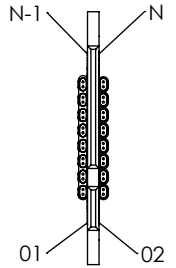
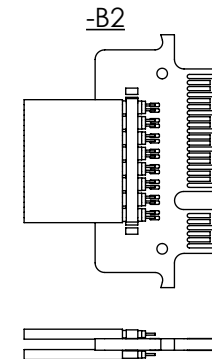
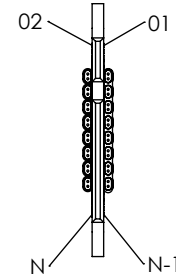
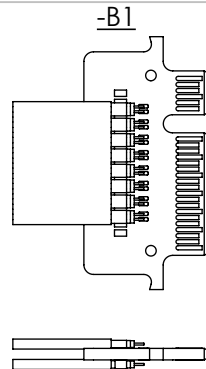
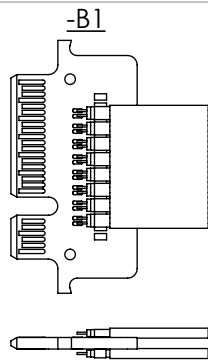
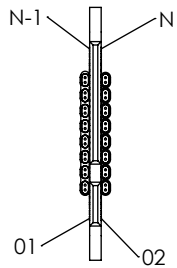
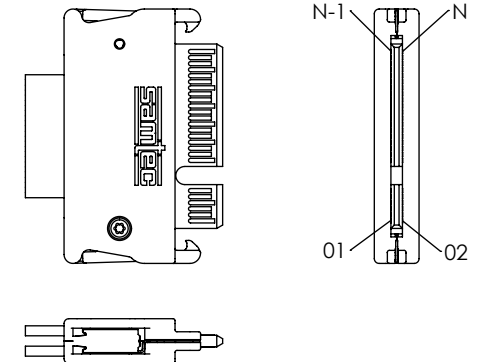
-L1 & -N1  
(NX WILL NOT HAVE HOUSINGS)



-L1 & -N1  
(NX WILL NOT HAVE HOUSINGS)



-L2 & -N2  
(NX WILL NOT HAVE HOUSINGS)



**TABLE 1 (CONT'D)**

**-BX 100 OHM ACCELERATE**

No. OF PAIRS	"C"	SUB-TTF QTY	SUB-TTF-30100LC-XX-01-XX-XX	S-PCB-104164-ECDP-XX-100-X (SEE NOTE 7)	HST-X.XXX-XX-XXX
-04	.813 [20.65]	2	SUB-TTF-30100LC-02-01-XX-XX	S-PCB-104164-ECDP-004-100-X	HST-0.250-01-CLR
-08	.939 [23.85]	2	SUB-TTF-30100LC-04-01-XX-XX	S-PCB-104164-ECDP-008-100-X	HST-0.375-01-CLR
-16	1.317 [33.45]	2	SUB-TTF-30100LC-08-01-XX-XX	S-PCB-104164-ECDP-016-100-X	HST-0.625-01-CLR
-32	2.073 [52.65]	4	SUB-TTF-30100LC-08-01-XX-XX	S-PCB-104164-ECDP-032-100-X	HST-1.000-01-CLR

**-BX 85 OHM ACCELERATE**

No. OF PAIRS	"C"	SUB-TTF QTY	SUB-TTF-3085LC-XX-01-XX-XX	S-PCB-104164-ECDP-XX-85-X (SEE NOTE 7)	HST-X.XXX-XX-XXX
-04	.813 [20.65]	2	SUB-TTF-3085LC-02-01-XX-XX	S-PCB-104164-ECDP-004-85-X	HST-0.250-01-CLR
-08	.939 [23.85]	2	SUB-TTF-3085LC-04-01-XX-XX	S-PCB-104164-ECDP-008-85-X	HST-0.375-01-CLR
-16	1.317 [33.45]	2	SUB-TTF-3085LC-08-01-XX-XX	S-PCB-104164-ECDP-016-85-X	HST-0.625-01-CLR
-32	2.073 [52.65]	4	SUB-TTF-3085LC-08-01-XX-XX	S-PCB-104164-ECDP-032-85-X	HST-1.000-01-CLR

**-BX 100 OHM EYESPEED**

No. OF PAIRS	"C"	SUB-TTF QTY	TTF-30100CU-XX-01-S	S-PCB-107040-ECDP-XX-100-X (SEE NOTE 7)	HST-X.XXX-XX-XXX (SEE NOTE 12)
-04	.813 [20.65]	2	TTF-30100CU-02-01-S	S-PCB-107040-ECDP-004-100-X	N/A
-08	.939 [23.85]	2	TTF-30100CU-04-01-S	S-PCB-107040-ECDP-008-100-X	N/A
-16	1.317 [33.45]	2	TTF-30100CU-08-01-S	S-PCB-107040-ECDP-016-100-X	N/A
-32	2.073 [52.65]	4	TTF-30100CU-08-01-S	S-PCB-107040-ECDP-032-100-X	N/A

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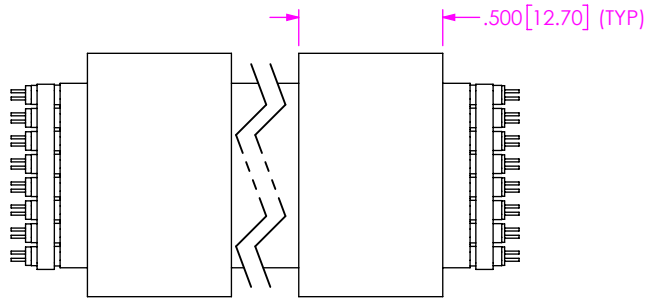
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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
DIFF PAIR EDGE CARD CABLE ASSEMBLY

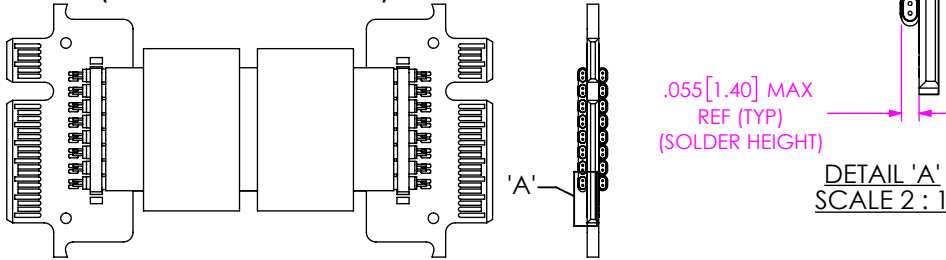
DWG. NO.  
ECDP-XX-XX.XX-XX-XX-X-X

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**IN-PROCESS 1 (-BX AND -NX OPTIONS ONLY)**  
 ADD HST TO RIBBON CABLE  
 (SEE NOTE 12)

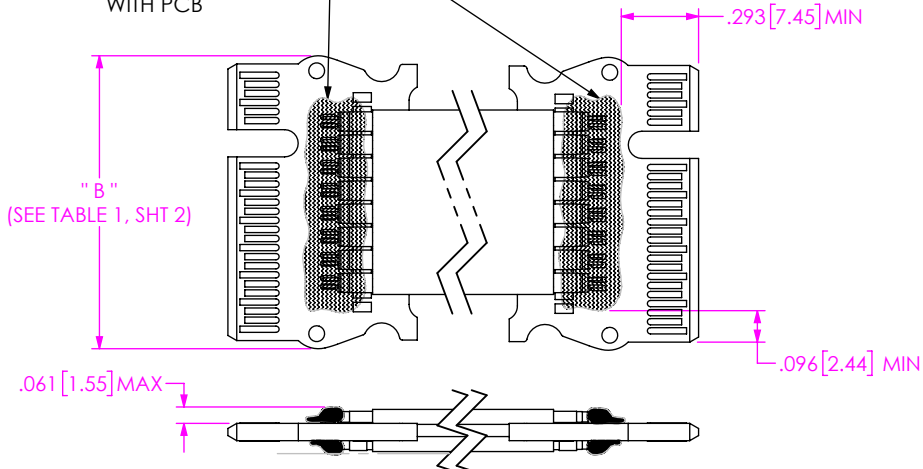


**IN-PROCESS 2**  
 TERMINATE CABLE  
 (ALL END OPTIONS)

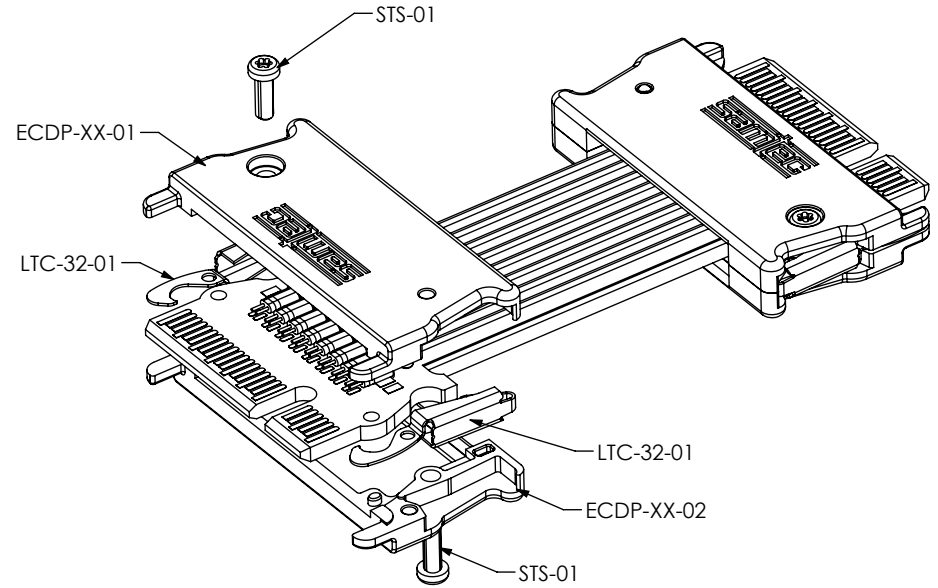


**IN-PROCESS 3**

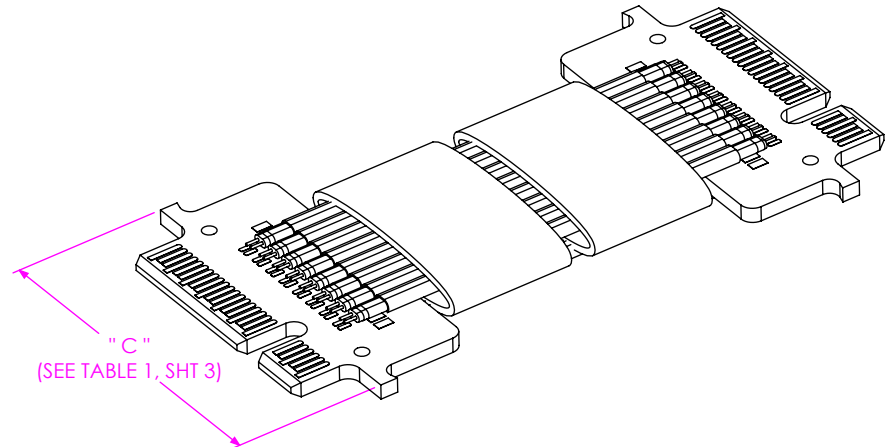
ADD UV EPOXY  
 BOTH SIDES OF PCB  
 ALL TERMINATIONS  
 MUST BE COVERED.  
 JACKETS TO BE UNCOVERED  
 IF END OPTION HAS HOUSINGS  
 (SEE NOTE 11)  
 EPOXY HEIGHT MUST ALLOW  
 HOUSING TO CONTACT FLUSH  
 WITH PCB



**IN-PROCESS 4 (-LX END OPTIONS ONLY)**  
 ADD HOUSINGS  
 (ECDP-016-XX.XX-L1-L2-X-X)



**IN-PROCESS 4 (-BX AND -NX END OPTIONS ONLY)**  
 FORM HEATSHRINK  
 ECDP-016-XX.XX-B1-B2-X-X



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DESCRIPTION:  
 DIFF PAIR EDGE CARD CABLE ASSEMBLY

DWG. NO.  
 ECDP-XX-XX.XX-XX-XX-X-X

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