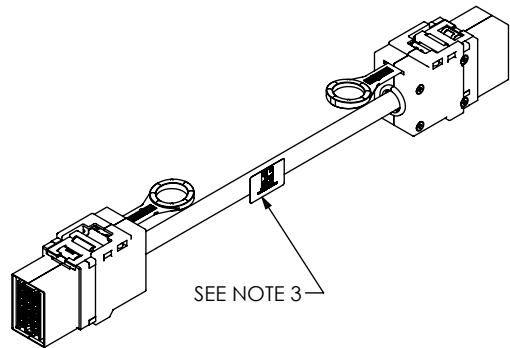


LABEL VIEW

TWINAX AWG AND SIGNAL MAP

- 1: 34AWG 100OHM, TX TO RX SIGNAL MAP
- 2: 30AWG 100OHM, TX TO RX SIGNAL MAP
- 3: 34AWG 100OHM, 1:1 SIGNAL MAP
- 4: 30AWG 100OHM, 1:1 SIGNAL MAP

PAIRS PER COLUMN
-4COLUMNS
*-06
-08

END 2 PIN CONFIGURATION

-1: STANDARD

END 2 LATCH ORIENTATION

-LU: LATCH UP

*-LD: LATCH DOWN

CABLE LENGTH

-XX (INCHES)

(12 INCHES MINIMUM, SEE NOTES 4 & 6)

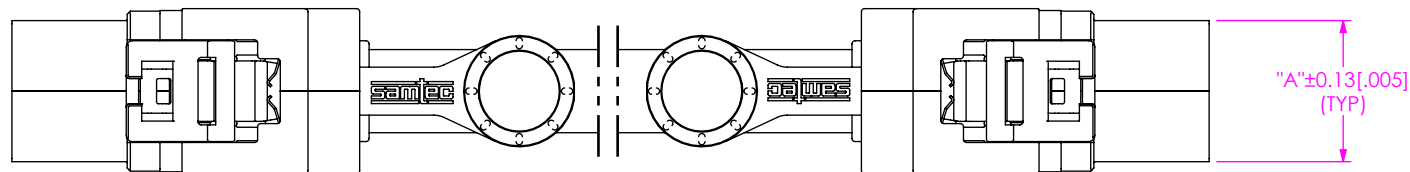
END 1 PIN CONFIGURATION

-1: STANDARD

END 1 LATCH ORIENTATION

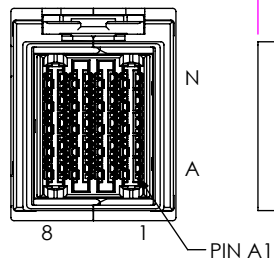
-LU: LATCH UP

(* = NOT TOOLED)

DO NOT
SCALE FROM
THIS PRINT"A"±0.13[.005]
(TYP)

OVERALL LENGTH: CABLE LENGTH + 17.98[.708]

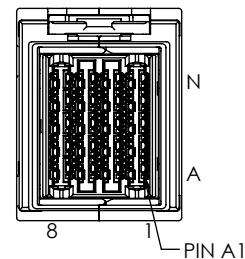
CABLE LENGTH: [XX] + 2/-0%



CABLE UNDER BRAID

FIG 1

EBCE-X-4-08-LU-1-XX-LU-1 SHOWN

26.80±0.13 [1.055±.005]
(TYP)

PIN A1

55.20±0.20 [2.173±.008]
(TYP)

TABLE 1

COLUMNS	"A"
-06	18.40 [0.724]
-08	22.40 [0.882]

NOTES:

- ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
- ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- LABEL TO BE CENTERED ON SLEEVE. LABEL TO CONTAIN:
TOP SIDE - QR CODE
LINE 1 - SERIAL NUMBER "EBCEYYWWXXXX"
LINE 2 - PART NUMBER "EBCE-X-X-XX-XX-X-XX-XX-X".
- CABLE LENGTHS LONGER THAN 40 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
- LSX WIRE TO BE 34 AWG CO-AX STANDARD.
- MAX STANDARD CABLE LENGTH IS 5 METERS. FOR LENGTHS GREATER THAN 5 METERS, CONTACT HDR@SAMTEC.COM

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP SHEET SCALE: 1:1.2
SIGNAL & GROUND PINS: COPPER ALLOY
PLATING: 30µ" SELECTIVE GOLD IN CONTACT AREA
LATCH: SS
HOUSING: NICKEL PLATED ZINC ALLOY
PULL STRAP: PBT

samtec

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

DESCRIPTION: EXAMAX BACKPLANE CABLE

DWG. NO. EBCE-X-4-XX-XX-X-XX-XX-X

BY: JACK Z 2/21/2023 SHEET 1 OF 3

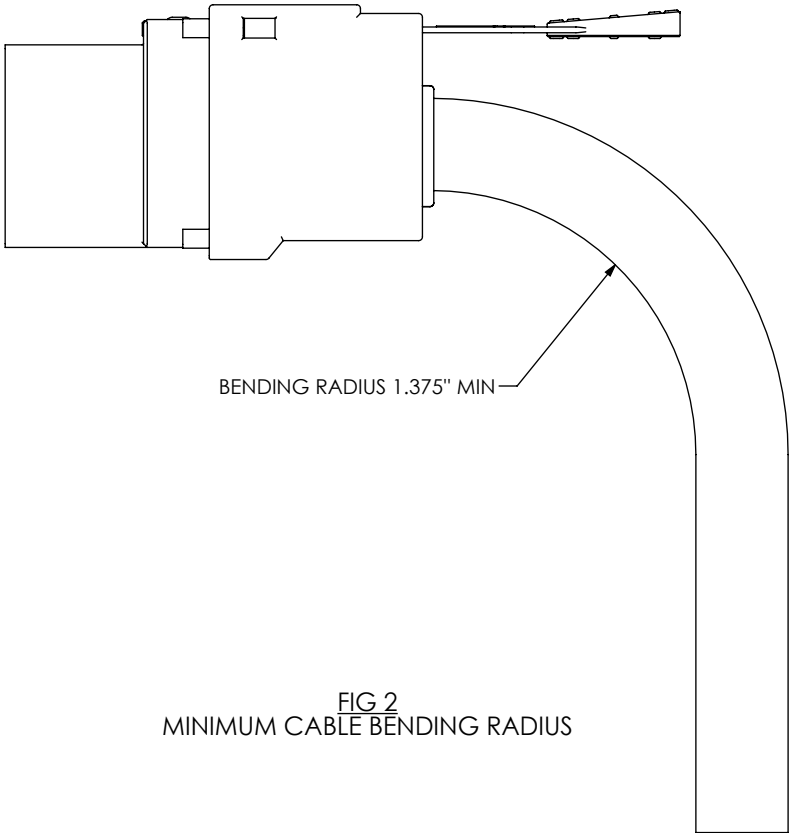


FIG 2
MINIMUM CABLE BENDING RADIUS

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SHEET SCALE: 1:2		DESCRIPTION: EXAMAX BACKPLANE CABLE	
		DWG. NO. EBCE-X-4-XX-XX-X-XX-XX-X	
F:\DWG\SW\Exisprod\Assembly\2mm\Examax IO\EBCE\EBCE-X-4-XX-XX-X-XX-XX-X.SLDRAW		BY: JACK Z 2/21/2023 SHEET 2 OF 3	

TABLE 3, 4 PAIR PIN-OUT

WAFER	B	A	B	A	B	A	B	A	
	LS8	GND	LS6	GND	LS4	GND	LS2	GND	N
	GND	RX13+	GND	RX9+	GND	RX5+	GND	RX1+	M
	RX15+	RX13-	RX11+	RX9-	RX7+	RX5-	RX3+	RX1-	L
	RX15-	GND	RX11-	GND	RX7-	GND	RX3-	GND	K
	GND	RX14+	GND	RX10+	GND	RX6+	GND	RX2+	J
	RX16+	RX14-	RX12+	RX10-	RX8+	RX6-	RX4+	RX2-	I
	RX16-	GND	RX12-	GND	RX8-	GND	RX4-	GND	H
	GND	TX14-	GND	TX10-	GND	TX6-	GND	TX2-	G
	TX16-	TX14+	TX12-	TX10+	TX8-	TX6+	TX4-	TX2+	F
	TX16+	GND	TX12+	GND	TX8+	GND	TX4+	GND	E
	GND	TX13-	GND	TX9-	GND	TX5-	GND	TX1-	D
	TX15-	TX13+	TX11-	TX9+	TX7-	TX5+	TX3-	TX1+	C
	TX15+	GND	TX11+	GND	TX7+	GND	TX3+	GND	B
	GND	LS7	GND	LS5	GND	LS3	GND	LS1	A
ROW	8	7	6	5	4	3	2	1	

4 PAIR SIGNAL MAPPING FOR -1 AND -2 SIGNAL MAP OPTIONS

"A" WAFERS (ODD NUMBER COLUMNS)					"B" WAFERS (EVEN NUMBER COLUMNS)				
END 1			END 2		END 1			END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
A1	LS1	PAIR	A1	LS1	A2	GND	PAIR	M2	GND
B1	GND		N1	GND	B2	TX3+		L2	RX3+
C1	TX1+	PAIR	M1	RX1+	C2	TX3-	PAIR	K2	RX3-
D1	TX1-		L1	RX1-	D2	GND		J2	GND
E1	GND	PAIR	K1	GND	E2	TX4+	PAIR	I2	RX4+
F1	TX2+		J1	RX2+	F2	TX4-		H2	RX4-
G1	TX2-	PAIR	I1	RX2-	G2	GND	PAIR	G2	GND
H1	GND		H1	GND	H2	RX4-		F2	TX4-
I1	RX2-	PAIR	G1	TX2-	I2	RX4+	PAIR	E2	TX4+
J1	RX2+		F1	TX2+	J2	GND		D2	GND
K1	GND	PAIR	E1	GND	K2	RX3-	PAIR	C2	TX3-
L1	RX1-		D1	TX1-	L2	RX3+		B2	TX3+
M1	RX1+	PAIR	C1	TX1+	M2	GND	PAIR	A2	GND
N1	GND		B1	GND	N2	LS2		N2	LS2

ALL GND ARE COMMON AND TIED TO CABLE SHIELD BUT NOT CONNECTED TO CHASSIS GROUND

4 PAIR SIGNAL MAPPING FOR -3 AND -4 SIGNAL MAP OPTIONS

"A" WAFERS (ODD NUMBER COLUMNS)					"B" WAFERS (EVEN NUMBER COLUMNS)				
END 1			END 2		END 1			END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
A1	LS1	PAIR	A1	LS1	A2	GND	PAIR	A2	GND
B1	GND		B1	GND	B2	TX3+		B2	TX3+
C1	TX1+	PAIR	C1	TX1+	C2	TX3-	PAIR	C2	TX3-
D1	TX1-		D1	TX1-	D2	GND		D2	GND
E1	GND	PAIR	E1	GND	E2	TX4+	PAIR	E2	TX4+
F1	TX2+		F1	TX2+	F2	TX4-		F2	TX4-
G1	TX2-	PAIR	G1	TX2-	G2	GND	PAIR	G2	GND
H1	GND		H1	GND	H2	RX4-		H2	RX4-
I1	RX2-	PAIR	I1	RX2-	I2	RX4+	PAIR	I2	RX4+
J1	RX2+		J1	RX2+	J2	GND		J2	GND
K1	GND	PAIR	K1	GND	K2	RX3-	PAIR	K2	RX3-
L1	RX1-		L1	RX1-	L2	RX3+		L2	RX3+
M1	RX1+	PAIR	M1	RX1+	M2	GND	PAIR	M2	GND
N1	GND		N1	GND	N2	LS2		N2	LS2

ALL GND ARE COMMON AND TIED TO CABLE SHIELD BUT NOT CONNECTED TO CHASSIS GROUND

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SHEET SCALE: 1:1.2



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