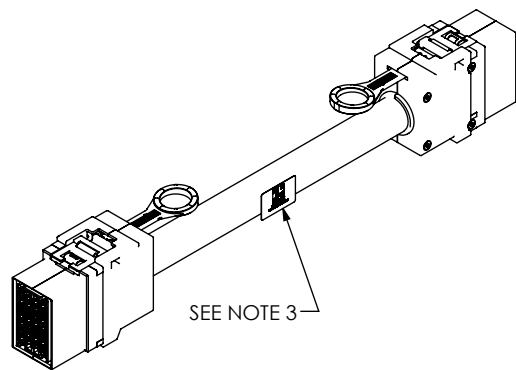


LABEL VIEW

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

-6

COLUMNS

*-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)

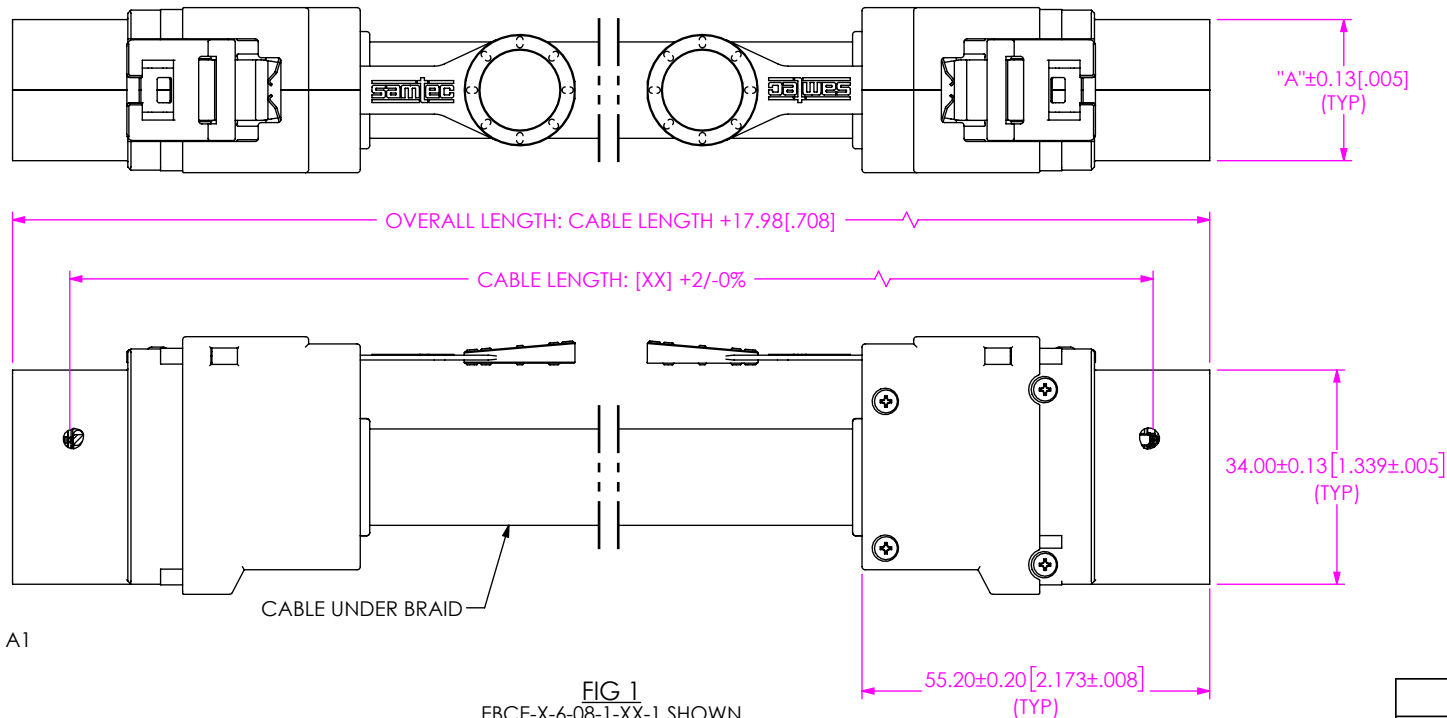
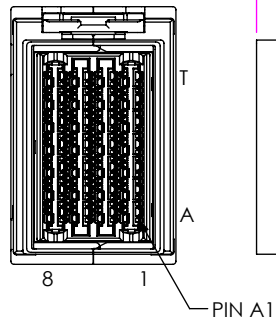
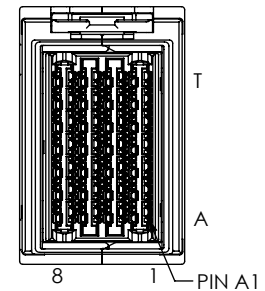
DO NOT
SCALE FROM
THIS PRINTFIG 1
EBCE-X-6-08-1-XX-1 SHOWN

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-6-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

PROPRIETARY NOTE

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.

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



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-6-XX-XX-X-XX-XX-X

BY: WILLY Y 6/29/2023 SHEET 1 OF 3

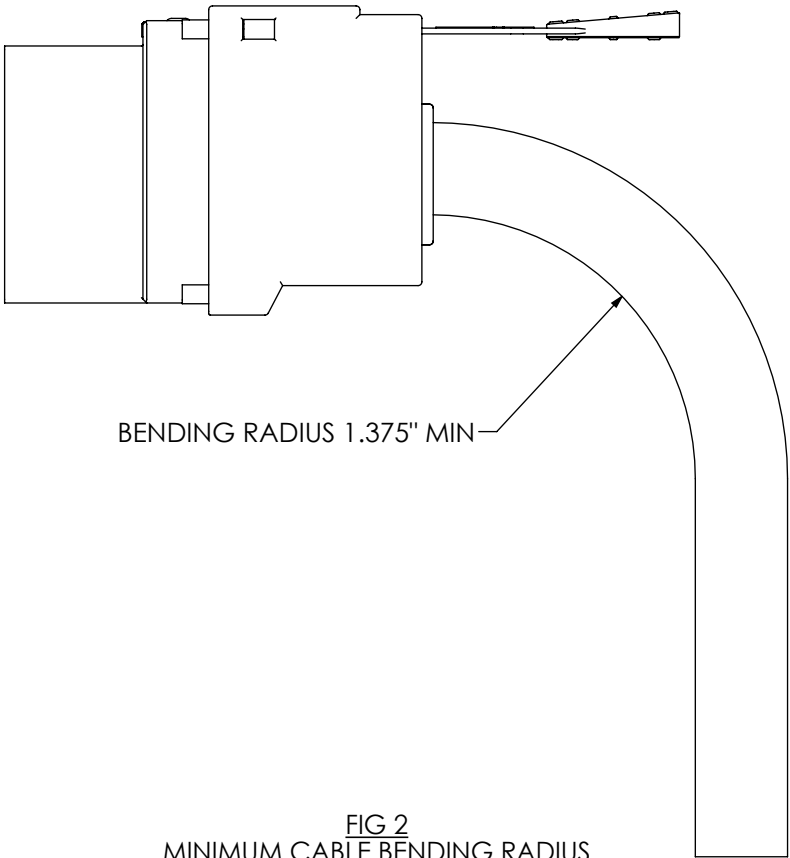


FIG 2
MINIMUM CABLE BENDING RADIUS

• PROPRIETARY NOTE •
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.

SHEET SCALE: 1:2



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-6-XX-XX-X-XX-XX-X

BY: WILLY Y 6/29/2023 SHEET 2 OF 3

TABLE 4, 6 PAIR PIN-OUT									
WAFER	B	A	B	A	B	A	B	A	
	LS8	GND	LS6	GND	LS4	GND	LS2	GND	T
	GND	RX19+	GND	RX13+	GND	RX7+	GND	RX1+	S
	RX22+	RX19-	RX16+	RX13-	RX10+	RX7-	RX4+	RX1-	R
	RX22-	GND	RX16-	GND	RX10-	GND	RX4-	GND	Q
	GND	RX20+	GND	RX14+	GND	RX8+	GND	RX2+	P
	RX23+	RX20-	RX17+	RX14-	RX11+	RX8-	RX5+	RX2-	O
	RX23-	GND	RX17-	GND	RX11-	GND	RX5-	GND	N
	GND	RX21+	GND	RX15+	GND	RX9+	GND	RX3+	M
	RX24+	RX21-	RX18+	RX15-	RX12+	RX9-	RX6+	RX3-	L
	RX24-	GND	RX18-	GND	RX12-	GND	RX6-	GND	K
	GND	TX21-	GND	TX15-	GND	TX9-	GND	TX3-	J
	TX24-	TX21+	TX18-	TX15+	TX12-	TX9+	TX6-	TX3+	I
	TX24+	GND	TX18+	GND	TX12+	GND	TX6+	GND	H
	GND	TX20-	GND	TX14-	GND	TX8-	GND	TX2-	G
	TX23-	TX20+	TX17-	TX14+	TX11-	TX8+	TX5-	TX2+	F
	TX23+	GND	TX17+	GND	TX11+	GND	TX5+	GND	E
	GND	TX19-	GND	TX13-	GND	TX7-	GND	TX1-	D
	TX22-	TX19+	TX16-	TX13+	TX10-	TX7+	TX4-	TX1+	C
	TX22+	GND	TX16+	GND	TX10+	GND	TX4+	GND	B
	GND	LS7	GND	LS5	GND	LS3	GND	LS1	A
	8	7	6	5	4	3	2	1	ROW

6 PAIR SIGNAL MAPPING FOR -1 AND -2 SIGNAL MAP OPTIONS									
ODD NUMBER COLUMNS					EVEN NUMBER COLUMNS				
END 1			END 2		END 1			END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
A1	LS1		A1	LS1	A2	GND		S2	GND
B1	GND		T1	GND	B2	TX4+	PAIR	R2	RX4+
C1	TX1+		S1	RX1+	C2	TX4-		Q2	RX4-
D1	TX1-	PAIR	R1	RX1-	D2	GND		P2	GND
E1	GND		Q1	GND	E2	TX5+	PAIR	O2	RX5+
F1	TX2+		P1	RX2+	F2	TX5-		N2	RX5-
G1	TX2-	PAIR	O1	RX2-	G2	GND		M2	GND
H1	GND		N1	GND	H2	TX6+	PAIR	L2	RX6+
I1	TX3+		M1	RX3+	I2	TX6-		K2	RX6-
J1	TX3-	PAIR	L1	RX3-	J2	GND		J2	GND
K1	GND		K1	GND	K2	RX6-	PAIR	I2	TX6-
L1	RX3-		J1	TX3-	L2	RX6+		H2	TX6+
M1	RX3+	PAIR	I1	TX3+	M2	GND		G2	GND
N1	GND		H1	GND	N2	RX5-		F2	TX5-
O1	RX2-		G1	TX2-	O2	RX5+	PAIR	E2	TX5+
P1	RX2+	PAIR	F1	TX2+	P2	GND		D2	GND
Q1	GND		E1	GND	Q2	RX4-	PAIR	C2	TX4-
R1	RX1-		D1	TX1-	R2	RX4+		B2	TX4+
S1	RX1+	PAIR	C1	TX1+	S2	GND		A2	GND
T1	GND		B1	GND	T2	LS2		T2	LS2
ALL GND ARE COMMON AND TIED TO CABLE SHIELD BUT NOT CONNECTED TO CHASSIS GROUND									

6 PAIR SIGNAL MAPPING FOR -3 AND -4 SIGNAL MAP OPTIONS									
ODD NUMBER COLUMNS					EVEN NUMBER COLUMNS				
END 1			END 2		END 1			END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
A1	LS1		A1	LS1	A2	GND		A2	GND
B1	GND		B1	GND	B2	TX4+	PAIR	B2	TX4+
C1	TX1+		C1	TX1+	C2	TX4-		C2	TX4-
D1	TX1-	PAIR	D1	TX1-	D2	GND		D2	GND
E1	GND		E1	GND	E2	TX5+	PAIR	E2	TX5+
F1	TX2+		F1	TX2+	F2	TX5-		F2	TX5-
G1	TX2-	PAIR	G1	TX2-	G2	GND		G2	GND
H1	GND		H1	GND	H2	TX6+	PAIR	H2	TX6+
I1	TX3+		I1	TX3+	I2	TX6-		I2	TX6-
J1	TX3-	PAIR	J1	TX3-	J2	GND		J2	GND
K1	GND		K1	GND	K2	RX6-	PAIR	K2	RX6-
L1	RX3-		L1	RX3-	L2	RX6+		L2	RX6+
M1	RX3+	PAIR	M1	RX3+	M2	GND		M2	GND
N1	GND		N1	GND	N2	RX5-	PAIR	N2	RX5-
O1	RX2-		O1	RX2-	O2	RX5+		O2	RX5+
P1	RX2+	PAIR	P1	RX2+	P2	GND		P2	GND
Q1	GND		Q1	GND	Q2	RX4-	PAIR	Q2	RX4-
R1	RX1-		R1	RX1-	R2	RX4+		R2	RX4+
S1	RX1+	PAIR	S1	RX1+	S2	GND		S2	GND
T1	GND		T1	GND	T2	LS2		T2	LS2
ALL GND ARE COMMON AND TIED TO CABLE SHIELD BUT NOT CONNECTED TO CHASSIS GROUND									

PROPRIETARY NOTE
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.

SHEET SCALE: 1:1.2



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-6-XX-XX-X-XX-XX-X

BY: WILLY Y 6/29/2023 SHEET 3 OF 3