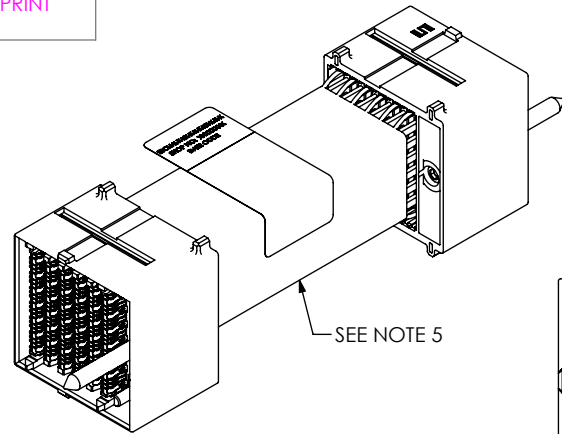


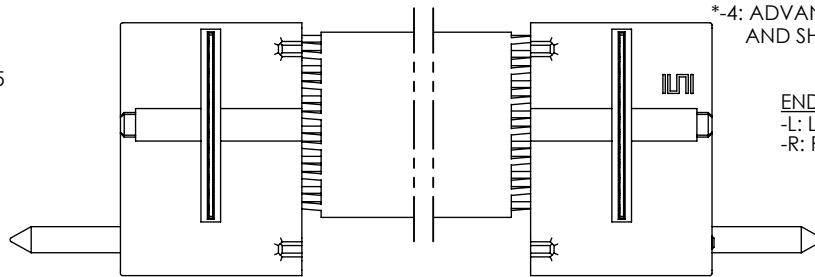
DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]
ALL DIMENSIONS REFERENCE

Pb THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

DO NOT SCALE FROM THIS PRINT



SEE NOTE 5



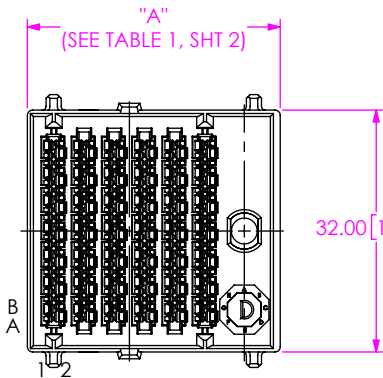
24.00[.945]

14.60[.575]

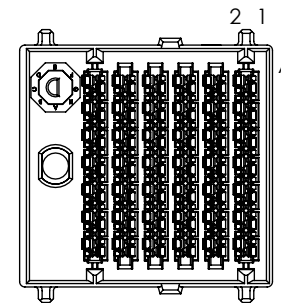
OVERALL LENGTH: [XX] + 21.18[.834]

CABLE LENGTH: [XX]±1%

32.00[1.260]



B
A



2
1
A
B

END 1

END 2

SEE NOTE 4

CABLE STYLE AND SIGNAL MAP

- 1: 34 AWG TwinAx 100OHM TX TO RX SIGNAL MAP
- 2: 30 AWG TwinAx 100OHM TX TO RX SIGNAL MAP
- 3: 34 AWG TwinAx 100OHM 1:1 SIGNAL MAP
- 4: 30 AWG TwinAx 100OHM 1:1 SIGNAL MAP
- *-5: 34 AWG TwinAx 92.5OHM TX TO RX SIGNAL MAP
- *-6: 34 AWG ThinAx 92.5OHM TX TO RX SIGNAL MAP
- *-7: 34 AWG TwinAx 92.5OHM 1:1 SIGNAL MAP
- *-8: 34 AWG ThinAx 92.5OHM 1:1 SIGNAL MAP

PAIRS PER COLUMN

-6: 6 PAIRS

COLUMNS

- 04, -06, -08,
- 10, -12, -14, -16

END 1 PIN CONFIGURATION

- 1: STANDARD
- *-2: ADVANCED MATE
- *-3: SHORT DETECT
- *-4: ADVANCED MATE AND SHORT DETECT

END 1 GUIDE

- L: LEFT GUIDANCE
- R: RIGHT GUIDANCE

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

END 2 KEY

- A THRU H: DENOTES POSITION OF FLAT ON KEY
- N: NO KEY (LEAVE BLANK FOR -FV)

END 2 GUIDE

- L: LEFT GUIDANCE
- R: RIGHT GUIDANCE
- FL: FEMALE LEFT GUIDE
- FR: FEMALE RIGHT GUIDE
- FV: FEMALE VERTICAL (FL,FR,FV ONLY AVAILABLE W/ -3,-4 SIGNAL MAP)

END 2 PIN CONFIGURATION

- 1: STANDARD
- *-2: ADVANCED MATE
- *-3: SHORT DETECT
- *-4: ADVANCED MATE AND SHORT DETECT

CABLE LENGTH

-XX (INCHES)
(06 INCHES MINIMUM, SEE NOTE 3)

END 1 KEY

- A THRU H: DENOTES POSITION OF FLAT ON KEY
- N: NO KEY

(* = NOT TOOLED)

NOTES:

1. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
3. CABLE LENGTHS LONGER THAN 40 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
4. LSX WIRE TO BE 34 AWG CO-AX STANDARD.
5. EBCM COMES STANDARD WITH SRS CABLE SLEEVING.

FIG 1
EBCM-X-6-12-1-L-G-XX-1-L-G SHOWN

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DO NOT SCALE DRAWING
SHEET SCALE: 1:1

MATERIAL:
INSULATOR: LCP
SIGNAL & GROUND PINS: COPPER ALLOY
PLATING: 30µ" SELECTIVE GOLD IN CONTACT AREA

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.
EBCM-X-6-XX-X-X-X-XX-X-XX-X

BY: D.SCHMELZ 4/10/2017 SHEET 1 OF 7

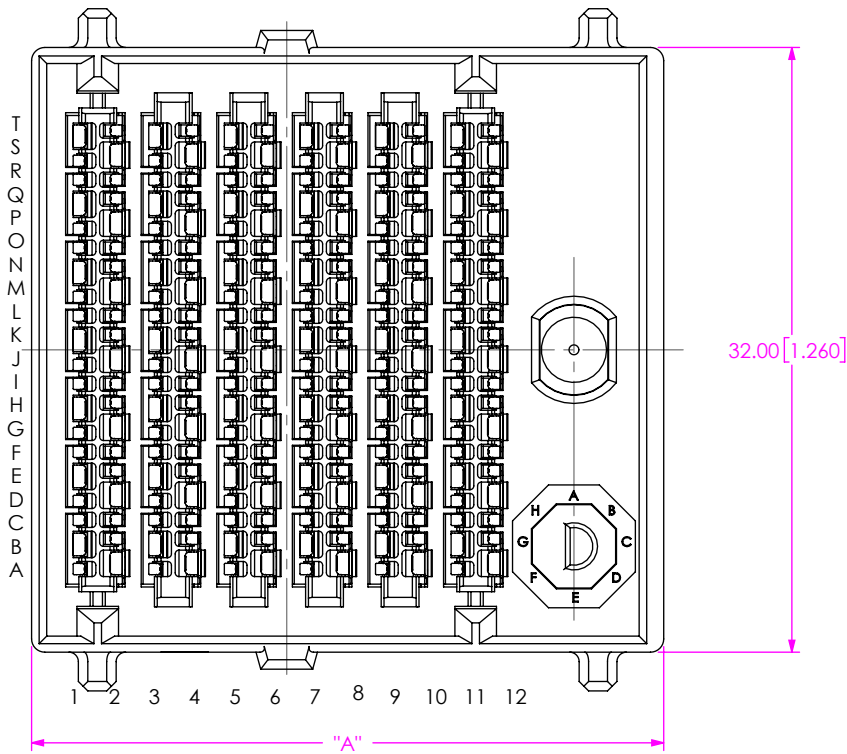


FIG 2
EBCM-X-6-12-1-L-G END 1 DETAILS SHOWN

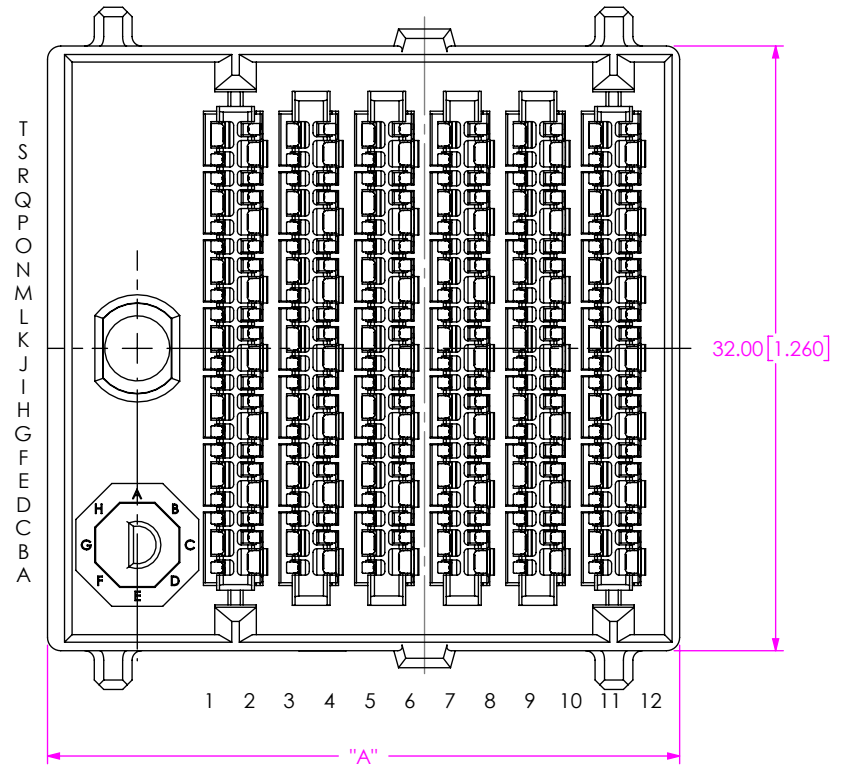


FIG 3
EBCM-X-6-12-1-R-G END 1 DETAILS SHOWN

TABLE 1	
COLUMNS	"A"
-04	17.450 [.6870]
-06	21.450 [.8445]
-08	25.450 [1.0020]
-10	29.450 [1.1594]
-12	33.450 [1.3169]
-14	37.450 [1.4744]
-16	41.450 [1.6319]

F:\DWG\MISC\Mktg\EBCM-X-6-XX-X-X-XX-X-XX-X-MKT.slddrw

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SHEET SCALE: 2.5:1

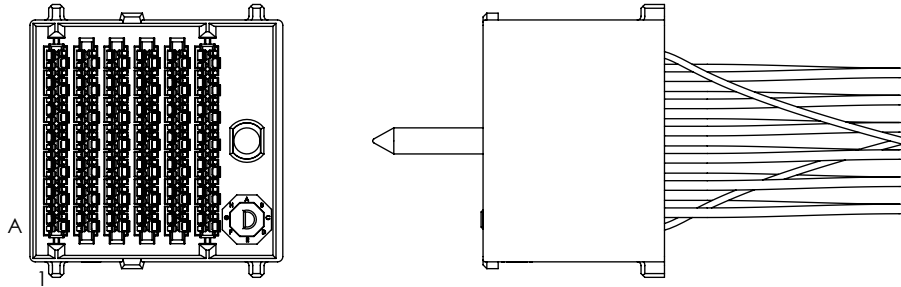
DESCRIPTION:
EXAMAX BACKPLANE CABLE

DWG. NO.
EBCM-X-6-XX-X-X-X-XX-X-XX-X

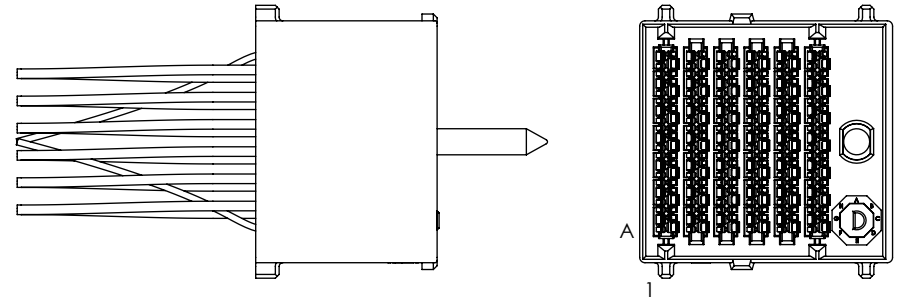
BY: D.SCHMELZ 4/10/2017 SHEET 2 OF 7

END 1 ORIENTATIONS

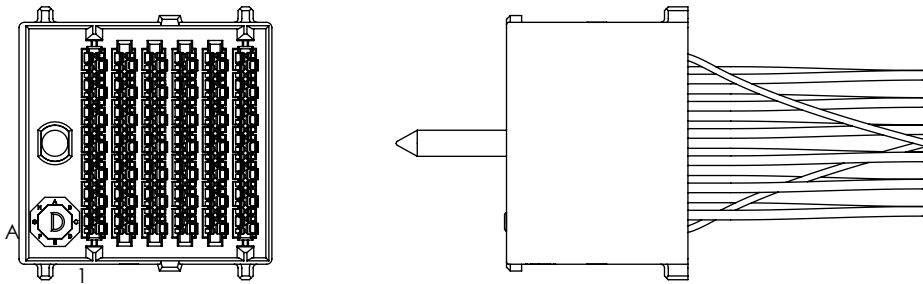
END 2 ORIENTATIONS



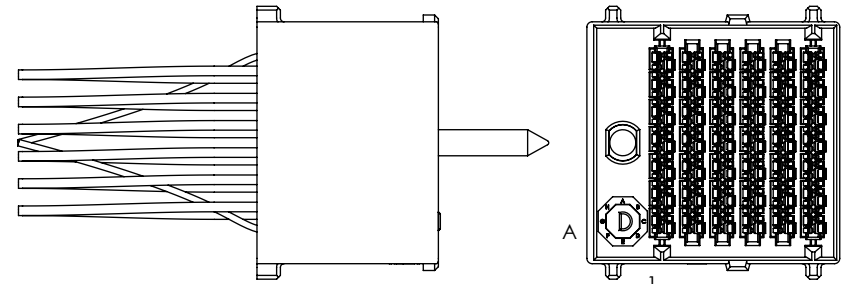
EBCM-X-6-12-X-L-G-XX-X-X-X SHOWN



EBCM-X-6-12-X-X-X-XX-X-L-G SHOWN



EBCM-X-6-12-X-R-G-XX-X-X-X SHOWN



EBCM-X-6-12-X-X-X-XX-X-R-G SHOWN

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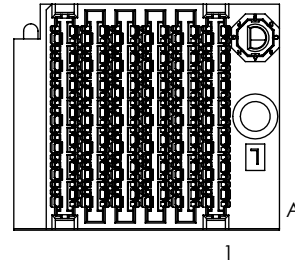
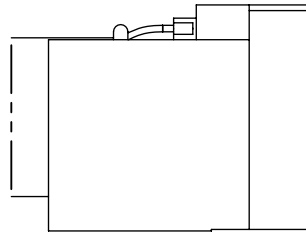
SHEET SCALE: 1:1

DESCRIPTION:
 EXAMAX BACKPLANE CABLE

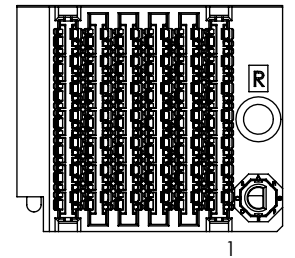
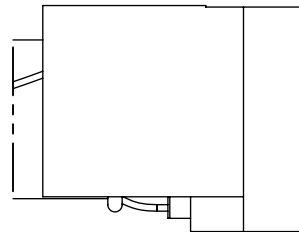
DWG. NO.
EBCM-X-6-XX-X-X-X-XX-X-XX-X

BY: D.SCHMELZ 4/10/2017 SHEET 3 OF 7

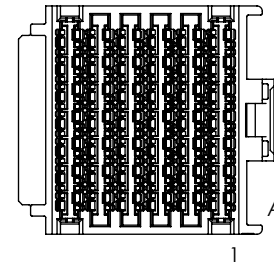
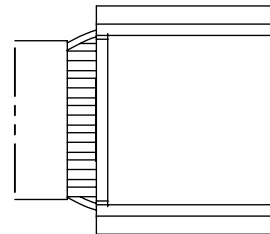
END 2 ORIENTATIONS



EBCM-X-6-12-X-X-X-XX-X-FL-G SHOWN



EBCM-X-6-12-X-X-X-XX-X-FR-G SHOWN



EBCM-X-6-12-X-X-X-XX-X-FV-G SHOWN

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 e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:
 EXAMAX BACKPLANE CABLE

DWG. NO.
EBCM-X-6-XX-X-X-X-XX-X-XX-X

BY: D.SCHMELZ 4/10/2017 SHEET 4 OF 7

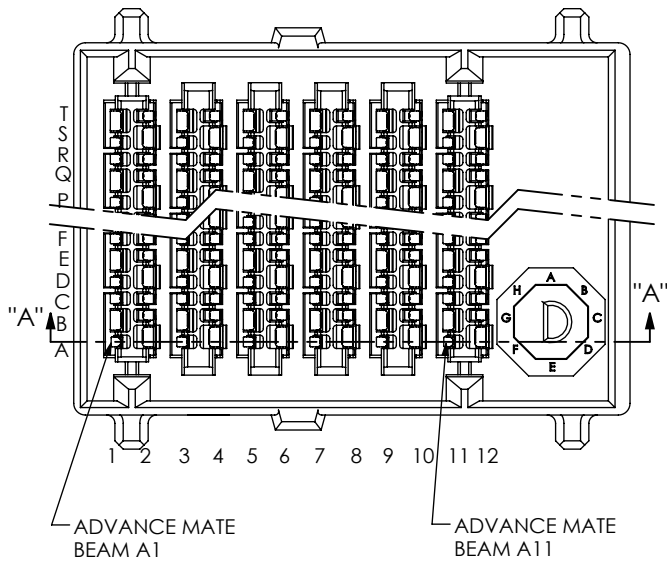
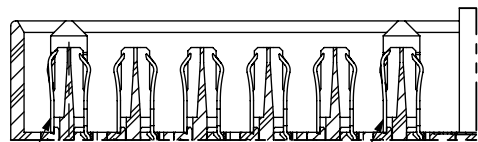


FIG 4
EBCM-X-6-12-2-L-G SHOWN
(DIFFERENT AS AHWN, OTHERWISE SAME AS FIG 1)
(NOT TOOLED)



ADVANCE MATE
(COLUMN 1 AND N-1 ONLY)

SECTION "A"-"A"
SCALE 2.2 : 1

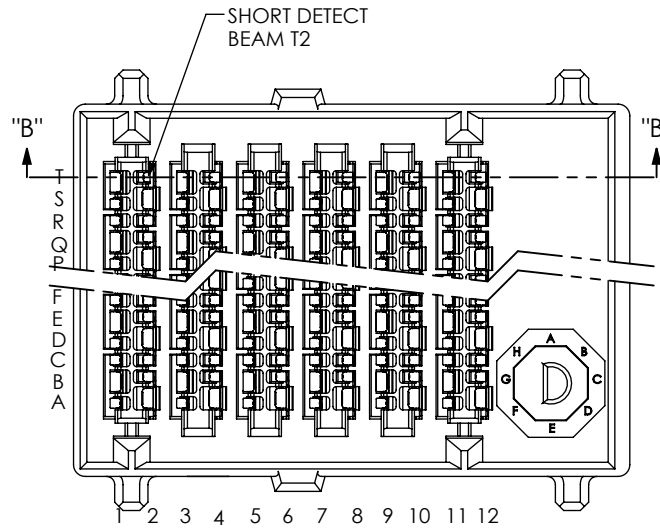
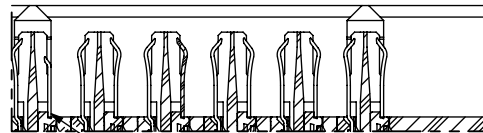


FIG 5
EBCM-X-6-12-3-L-G SHOWN
(DIFFERENT AS AHWN, OTHERWISE SAME AS FIG 1)
(NOT TOOLED)



SHORT DETECT
(COLUMN 2 ONLY)

SECTION "B"-"B"
SCALE 2.2 : 1

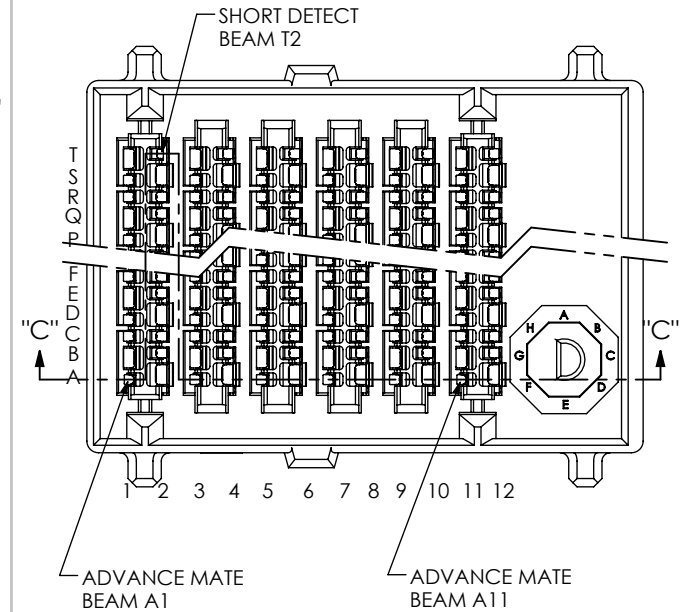
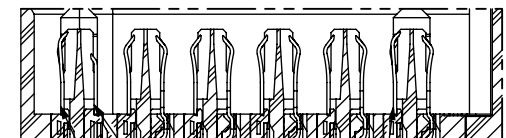


FIG 6
EBCM-X-6-12-4-L-G SHOWN
(DIFFERENT AS AHWN, OTHERWISE SAME AS FIG 1)
(NOT TOOLED)



SHORT DETECT
(COLUMN 2 ONLY)
ADVANCE MATE
(COLUMN 1 AND N-1 ONLY)

SECTION "C"-"C"
SCALE 2.2 : 1

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SHEET SCALE: 2.8:1



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

DESCRIPTION:
EXAMAX BACKPLANE CABLE

DWG. NO.
EBCM-X-6-XX-X-X-X-XX-X-XX-X

BY: D.SCHMELZ 4/10/2017 SHEET 5 OF 7

ROW	TABLE 2, 6 PAIR PIN-OUT															
T	GND	LS2	GND	LS4	GND	LS6	GND	LS8	GND	LS10	GND	LS12	GND	LS14	GND	LS16
S	TX1+	GND	TX7+	GND	TX13+	GND	TX19+	GND	TX25+	GND	TX31+	GND	TX37+	GND	TX43+	GND
R	TX1-	TX4+	TX7-	TX10+	TX13-	TX16+	TX19-	TX22+	TX25-	TX28+	TX31-	TX34+	TX37-	TX40+	TX43+	TX46+
Q	GND	TX4-	GND	TX10-	GND	TX16-	GND	TX22-	GND	TX28-	GND	TX34-	GND	TX40-	GND	TX46-
P	TX2+	GND	TX8+	GND	TX14+	GND	TX20+	GND	TX26+	GND	TX32+	GND	TX38+	GND	TX44+	GND
O	TX2-	TX5+	TX8-	TX11+	TX14-	TX17+	TX20-	TX23+	TX26-	TX29+	TX32-	TX35+	TX38-	TX41+	TX44-	TX47+
N	GND	TX5-	GND	TX11-	GND	TX17-	GND	TX23-	GND	TX29-	GND	TX35-	GND	TX41-	GND	TX47-
M	TX3+	GND	TX9+	GND	TX15+	GND	TX21+	GND	TX27+	GND	TX33+	GND	TX39+	GND	TX45+	GND
L	TX3-	TX6+	TX9-	TX12+	TX15-	TX18+	TX21-	TX24+	TX27-	TX30+	TX33-	TX36+	TX39-	TX42+	TX45-	TX48+
K	GND	TX6-	GND	TX12-	GND	TX18-	GND	TX24-	GND	TX30-	GND	TX36-	GND	TX42-	GND	TX48-
J	RX3-	GND	RX9-	GND	RX15-	GND	RX21-	GND	RX27-	GND	RX33-	GND	RX39-	GND	RX45-	GND
I	RX3+	RX6-	RX9+	RX12-	RX15+	RX18-	RX21+	RX24-	RX27+	RX30-	RX33+	RX36-	RX39+	RX42-	RX45+	RX48-
H	GND	RX6+	GND	RX12+	GND	RX18+	GND	RX24+	GND	RX30+	GND	RX36+	GND	RX42+	GND	RX48+
G	RX2-	GND	RX8-	GND	RX14-	GND	RX20-	GND	RX26-	GND	RX32-	GND	RX38-	GND	RX44-	GND
F	RX2+	RX5-	RX8+	RX11-	RX14+	RX17-	RX20+	RX23-	RX26+	RX29-	RX32+	RX35-	RX38+	RX41-	RX44+	RX47-
E	GND	RX5+	GND	RX11+	GND	RX17+	GND	RX23+	GND	RX29+	GND	RX35+	GND	RX41+	GND	RX47+
D	RX1-	GND	RX7-	GND	RX13-	GND	RX19-	GND	RX25-	GND	RX31-	GND	RX37-	GND	RX43-	GND
C	RX1+	RX4-	RX7+	RX10-	RX13+	RX16-	RX19+	RX22-	RX25+	RX28-	RX31+	RX34-	RX37+	RX40-	RX43+	RX46-
B	GND	RX4+	GND	RX10+	GND	RX16+	GND	RX22+	GND	RX28+	GND	RX34+	GND	RX40+	GND	RX46+
A	LS1	GND	LS3	GND	LS5	GND	LS7	GND	LS9	GND	LS11	GND	LS13	GND	LS15	GND
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WAFER	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B

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 e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

DESCRIPTION: EXAMAX BACKPLANE CABLE

DWG. NO. EBCM-X-6-XX-X-X-X-XX-X-XX-X

BY: D.SCHMELZ 4/10/2017 SHEET 6 OF 7

6 PAIR SIGNAL MAPPING FOR -1 AND -2 SIGNAL MAP OPTIONS									
ODD NUMBER COLUMNS					EVEN NUMBER COLUMNS				
END 1		PAIR	END 2		END 1		PAIR	END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
T1	GND		B1	GND	T2	LS2		T2	LS2
S1	TX1+	PAIR	C1	RX1+	S2	GND		A2	GND
R1	TX1-		D1	RX1-	R2	TX4+	PAIR	B2	RX4+
Q1	GND		E1	GND	Q2	TX4-			C2
P1	TX2+	PAIR	F1	RX2+	P2	GND		D2	GND
O1	TX2-		G1	RX2-	O2	TX5+	PAIR	E2	RX5+
N1	GND		H1	GND	N2	TX5-			F2
M1	TX3+	PAIR	I1	RX3+	M2	GND		G2	GND
L1	TX3-		J1	RX3-	L2	TX6+	PAIR	H2	RX6+
K1	GND		K1	GND	K2	TX6-			I2
J1	RX3-	PAIR	L1	TX3-	J2	GND		J2	GND
I1	RX3+		M1	TX3+	I2	RX6-	PAIR	K2	TX6-
H1	GND		N1	GND	H2	RX6+			L2
G1	RX2-	PAIR	O1	TX2-	G2	GND		M2	GND
F1	RX2+		P1	TX2+	F2	RX5-	PAIR	N2	TX5-
E1	GND		Q1	GND	E2	RX5+			O2
D1	RX1-	PAIR	R1	TX1-	D2	GND		P2	GND
C1	RX1+		S1	TX1+	C2	RX4-	PAIR	Q2	TX4-
B1	GND		T1	GND	B2	RX4+			R2
A1	LS1		A1	LS1	A2	GND		S2	GND

ALL GROUNDS ARE COMMON AND TIED TO CABLE SHIELD

6 PAIR SIGNAL MAPPING FOR -3 AND -4 SIGNAL MAP OPTIONS									
ODD NUMBER COLUMNS					EVEN NUMBER COLUMNS				
END 1		PAIR	END 2		END 1		PAIR	END 2	
POSITION	SYMBOL		POSITION	SYMBOL	POSITION	SYMBOL		POSITION	SYMBOL
T1	GND		T1	GND	T2	LS2		T2	LS2
S1	TX1+	PAIR	S1	TX1+	S2	GND		S2	GND
R1	TX1-		R1	TX1-	R2	TX4+	PAIR	R2	TX4+
Q1	GND		Q1	GND	Q2	TX4-			Q2
P1	TX2+	PAIR	P1	TX2+	P2	GND		P2	GND
O1	TX2-		O1	TX2-	O2	TX5+	PAIR	O2	TX5+
N1	GND		N1	GND	N2	TX5-			N2
M1	TX3+	PAIR	M1	TX3+	M2	GND		M2	GND
L1	TX3-		L1	TX3-	L2	TX6+	PAIR	L2	TX6+
K1	GND		K1	GND	K2	TX6-			K2
J1	RX3-	PAIR	J1	RX3-	J2	GND		J2	GND
I1	RX3+		I1	RX3+	I2	RX6-	PAIR	I2	RX6-
H1	GND		H1	GND	H2	RX6+			H2
G1	RX2-	PAIR	G1	RX2-	G2	GND		G2	GND
F1	RX2+		F1	RX2+	F2	RX5-	PAIR	F2	RX5-
E1	GND		E1	GND	E2	RX5+			E2
D1	RX1-	PAIR	D1	RX1-	D2	GND		D2	GND
C1	RX1+		C1	RX1+	C2	RX4-	PAIR	C2	RX4-
B1	GND		B1	GND	B2	RX4+			B2
A1	LS1		A1	LS1	A2	GND		A2	GND

ALL GROUNDS ARE COMMON AND TIED TO CABLE SHIELD

F:\DWG\MISC\Mktg\EBCM-X-6-XX-X-X-XX-X-XX-X-MKT.sldrw

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DESCRIPTION:
 EXAMAX BACKPLANE CABLE
 DWG. NO.
EBCM-X-6-XX-X-X-XX-X-XX-X
 BY: D.SCHMELZ 4/10/2017 SHEET 7 OF 7