

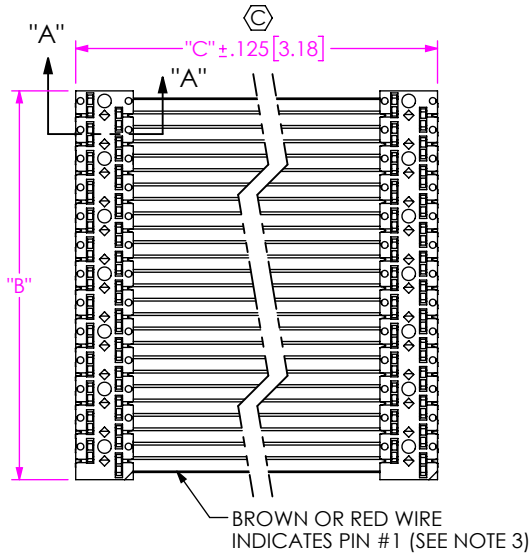


**THE DATASHEET OF  
IDMS-13-T-04.00-C**



DO NOT SCALE FROM THIS PRINT

XDMX-XX-X-XX.XX-XXX-XXX



**TAIL SPECIFICATION**  
(SEE SECT "A"-"A" & "B"-"B")  
I: D = .125[3.18] (T-1S7-01-X)  
\*\*E: D = .200[5.08] (T-1S7-02-X)

**ROW SPECIFICATION**  
-S: SINGLE  
-D: DOUBLE

**OPTION SPECIFICATION**  
SEE OPTIONS  
(SEE SHT 2 & SHT 3)

**OPTION SPECIFICATION**  
SEE OPTIONS  
(SEE SHT 2 & SHT 3)

**LENGTH OF CABLE**  
MEASURED IN INCHES  
(SEE FIG 1, "C" DIM)

**CONNECTOR SPECIFICATION**

-S: (SINGLE) ONE XDM ASSEMBLY  
-D: (DOUBLE) TWO XDM ASSEMBLIES  
-ONE ON EACH END  
-T: (TRANSFER-IDS) ONE XDMS & ONE IDS  
-ONE ON EACH END  
-T: (TRANSFER-IDMD) ONE XDMD & ONE IDD  
-ONE ON EACH END

**NO OF CONDUCTORS** (SEE NOTE 3)  
(-02 THRU -32 PER ROW)  
USE CABLE CB-XX-28-7/36-100-C (XDMS)  
USE CABLE CB-XX-28-7/36-050-C (XDMD)  
"A" ±.015 [0.38] = "XX" X .100[2.54] + .019[0.48] (-01 THRU -31)  
OR 3.210[81.53] REF (-32)  
"B" ±.015 [0.38] = "XX" X .100[2.54] + .059[1.50] (-01 THRU -31)  
OR 3.250[82.55] REF (-32)  
\* NOTE: STANDARD COLOR-CODED CABLE N/A FOR DOUBLE ROW 31 & 32 POSITION - SEE -G OPTION.

\*\* = EXISTING CUSTOMERS ONLY

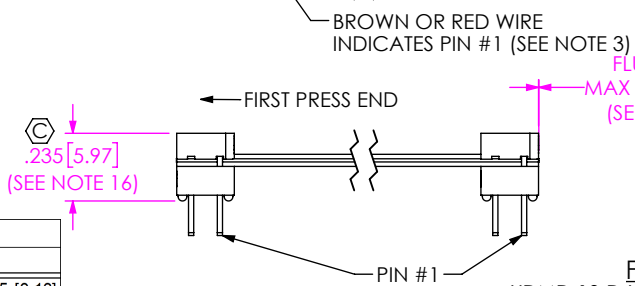


FIG 1  
XDMD-13-D-XX.XX-X-X SHOWN

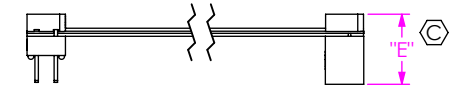
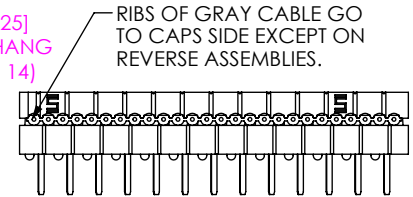
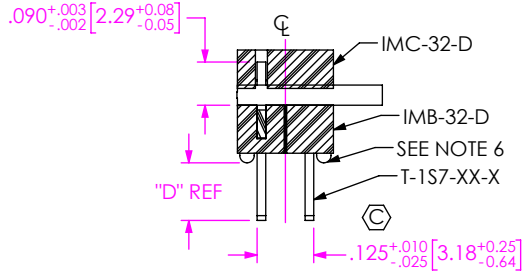
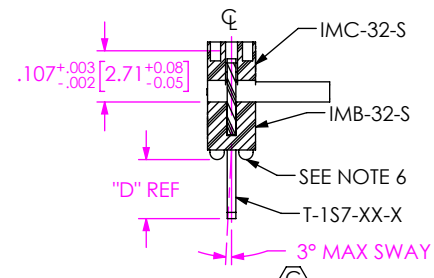


FIG 3  
XDMD-13-D-XX.XX-X-X-T SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 1		
No. OF POS	"E"	
2, 3, 4	.360 [9.144]	+ .005 [0.13] - .000 [0.00]
5 AND UP	.365 [9.271]	+ .010 [0.25] - .005 [0.13]



SECTION "A"-"A"  
(XDMD ASSEMBLY)  
(REFER TO XMD-XX-X ASSEMBLY)



SECTION "B"-"B"  
(XDMS ASSEMBLY)  
(REFER TO XMS-XX-X ASSEMBLY)

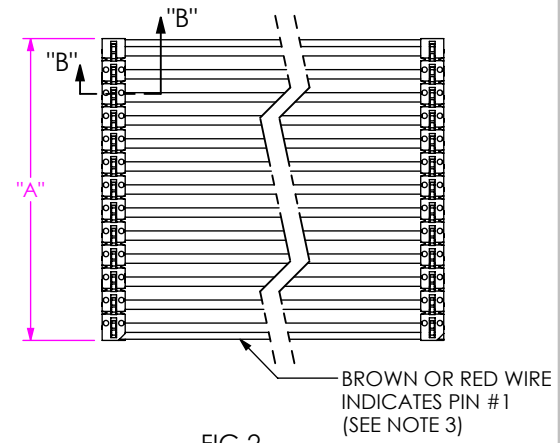


FIG 2  
XDMS-13-D-XX.XX-X-X SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- OPTION -SXX WHEN MATING DOUBLE ROW CONNECTOR WITH 2 SINGLE ROW CONNECTORS, THE OUTER MOST SINGLE WILL BE CONNECTED TO CONDUCTOR #1 AND THE INSIDE SINGLE TO CONDUCTOR #2.
- ON FIRST CABLE INSERTION PRESS, THE BROWN WIRE (COLORED CABLE) OR THE RED WIRE (GRAY CABLE) IS POSITIONED TO THE RIGHT WITH THE "FAT END" OF THE BASE AND CAP.
- WHEN CUTTING BASE AND CAPS TO POSITION, END WALLS ON CUT ENDS SHALL BE .010 [0.25] MIN.
- NOTE DELETED.
- STANDOFFS ON BASE SHALL STAND .010 [0.25] MIN. FROM SURFACE OF IMB-32-X.
- OPTION -PXX: POLARIZING OPTION CAN ONLY BE USED ON IDX END OF -T (TRANSFER) OPTION.
- WHEN DAISY CHAINING A TRANSFER END OPTION, ONLY THE FIRST CONNECTOR IS MALE; THE REMAINING CONNECTORS ARE FEMALE.
- A CHAMFER ON THE END OF THE CAP IS GUARANTEED ON FINAL ASSEMBLIES THAT ARE AT LEAST 18 POSITIONS FOR MALE AND FEMALE TERMINATION.
- ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 1000V.
- CONTACT NOT TO BE VISIBLE THROUGH THE END WALL OF IMC-32-X CAP.
- REFERENCE XMD-XX-X (AND IDS-XX-X-PXX OR IDD-XX-X FOR -T OPTION) FOR CUT DIMENSIONS.
- WHEN CUTTING CABLE TO LENGTH, CONDUCTORS SHOULD NOT EXTEND PAST THE CABLE INSULATION, EXTENDING LESS THAN 25% OF CABLE THICKNESS ON CONSECUTIVE AND LESS THAN 50% OF CABLE THICKNESS ON NON-CONSECUTIVE STRANDS IS CONSIDERED A PROCESS INDICATOR.
- PACKAGE TERMINAL ENDS WITH CS-IDC002 CLAMSHHELLS; PACKAGE -STX OPTIONS USING SKIN PACKAGING.
- DEMINSION FROM TOP OF CAP TO STANDOFF.
- SAME AS -SXX EXCEPT OUTER STRIP CONNECTED TO CONDUCTOR #2 AND INSIDE STRIP CONNECTED TO CONDUCTOR #1.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [0.3] 2°  
.XXX: ±.005 [0.13]  
.XXXX: ±.0020 [0.051]

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520 PARK EAST BLVD., NEW ALBANY, IN 47150  
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e-Mail: info@SAMTEC.com code 55322

**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: VALOX DR-48, COLOR: BLACK  
CONTACT: BeCu  
TERMINAL: PHOSPHOR BRONZE  
CABLE: TINNED COPPER/PVC

**DESCRIPTION:**  
ASSEMBLY INSULATION DISPLACEMENT TERMINAL CONNECTOR  
DWG. NO.  
**XDMX-XX-X-XX.XX-XXX-XXX**  
BY: JORDAN 12/30/1987 SHEET 1 OF 3

OPTION	CONTACTS
-T	T-1S7-XX-T (XDMX)
	C-10-T (IDSX)
-C***	T-1S7-XX-T (XDMX)
	C-10-G (IDSX)
-A***	T-1S7-XX-G (XDMX)
	C-10-T (IDSX)

\*\*\*CAN ONLY BE USED WITH CONNECTOR SPECIFICATION -T

PLATING  
-T, -C\*\*\* OR -A\*\*\*

SUBSTITUTE GRAY CABLE FOR STANDARD COLOR CODED CABLE.

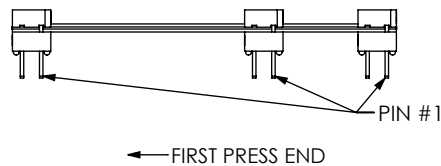
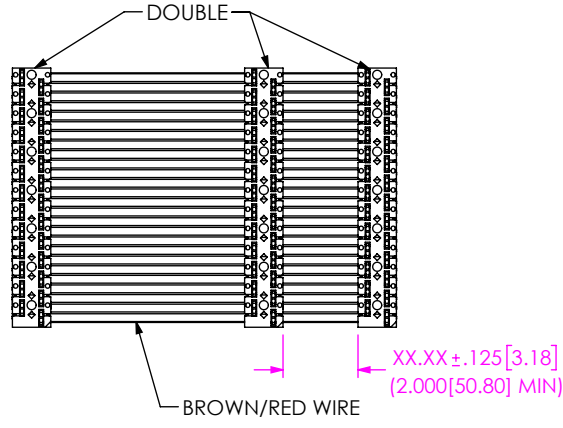
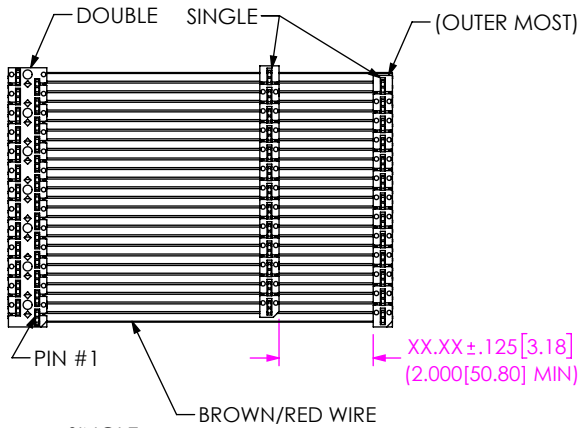
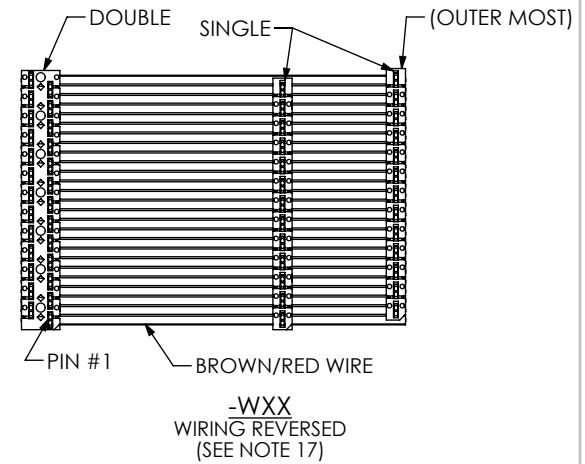
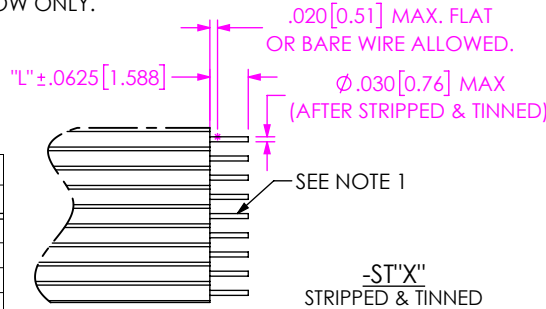
XDMX: CB-XX-28-7/36-050-G  
XDMS: CB-XX-28-7/36-100-G  
(SEE FIG 1)

NOTE: USE GRAY CABLE FOR DOUBLE ROW, -31 & -32 POSITION.

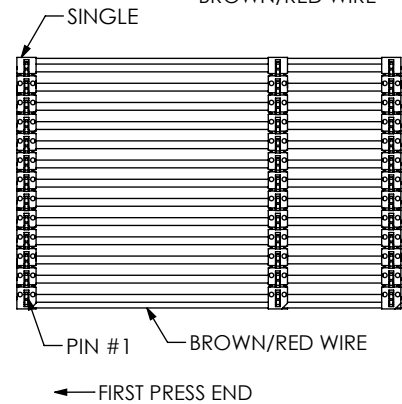
-G  
GRAY CABLE

- NOTE:
- CONDUCTORS SHALL BE CONSISTENT IN APPEARANCE. SOLDER MUST MAINTAIN CABLE STRAINS WITHIN THE MAX DIA. TOLERANCE.
  - USE 60/40 TIN/LEAD SOLDER ONLY.
  - NOT AVAILABLE IN 28 POSITION AND UP IN DOUBLE ROW ONLY.

ST "X"	"L"
ST8	.125 [3.18]
ST4	.250 [6.35]
ST3	.375 [9.53]
ST2	.500 [12.70]

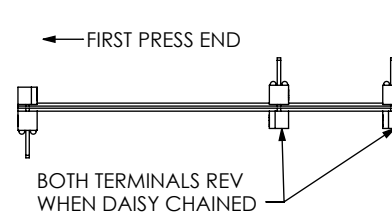
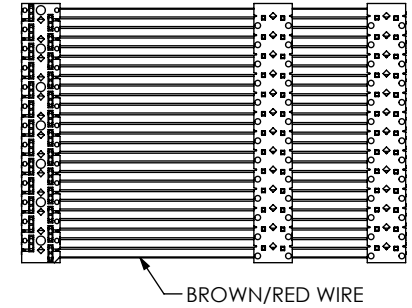
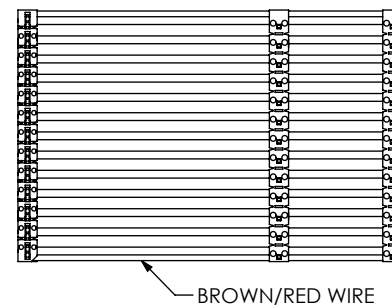


2 INCH MINIMUM LENGTH;  
ONE INCH INCREMENTS ONLY

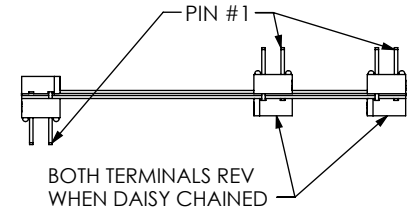


-SXX  
DAISY CHAIN - SINGLE  
(SEE NOTE 2 & 8)

2 INCH MINIMUM LENGTH;  
ONE INCH INCREMENTS ONLY



SINGLE ROW



DOUBLE ROW

-R  
REVERSED CONNECTOR  
(NOT AVAILABLE WITH -M OR -O OPTIONS)

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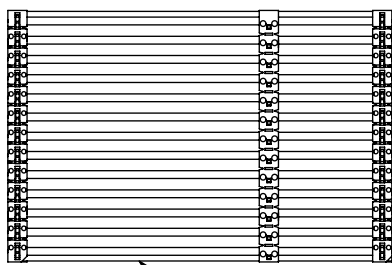
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SHEET SCALE: 2:1

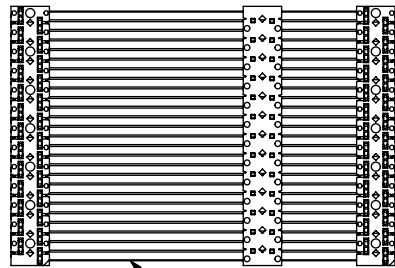
DESCRIPTION:  
ASSEMBLY INSULATION DISPLACEMENT TERMINAL CONNECTOR

DWG. NO.  
**XDMX-XX-X-XX.XX-XXX-XXX**

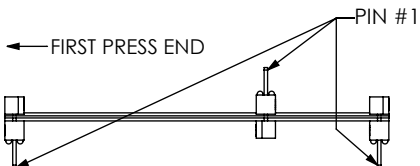
BY: JORDAN 12/30/1987 SHEET 2 OF 3



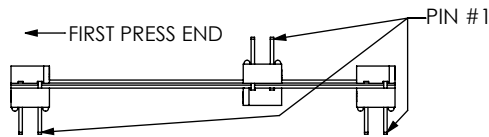
BROWN/RED WIRE



BROWN/RED WIRE

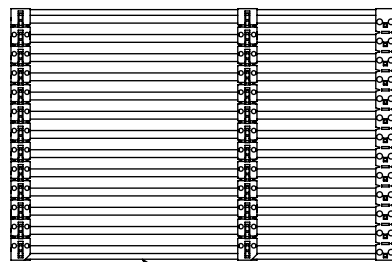


SINGLE ROW

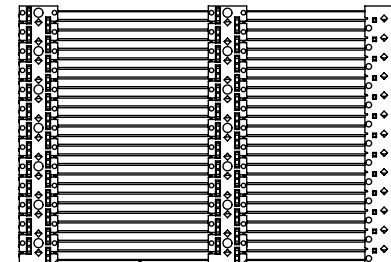


DOUBLE ROW

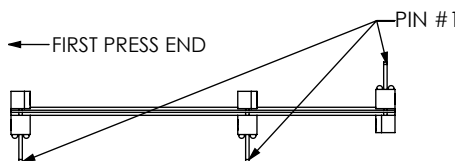
**-M**  
MIDDLE REVERSED  
(REQUIRES -SXX, -WXX OR -DXX OPTIONS)  
(NOT AVAILABLE WITH -R OR -O OPTIONS)



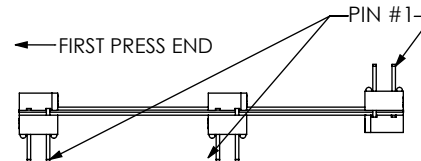
BROWN/RED WIRE



BROWN/RED WIRE

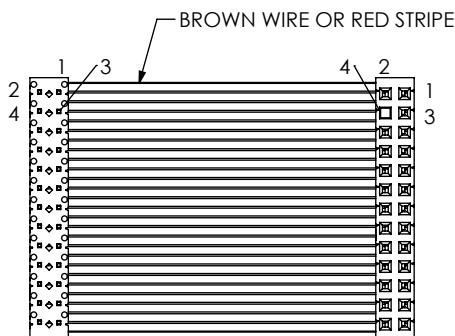


SINGLE ROW

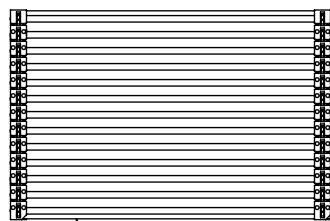


DOUBLE ROW

**-O**  
OUTSIDE REVERSED  
(REQUIRES -SXX, -WXX OR -DXX OPTIONS)  
(NOT AVAILABLE WITH -R OR -M OPTIONS)

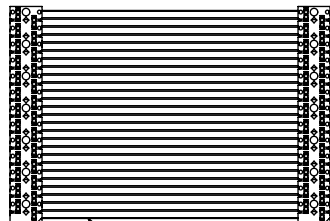


IDMD



BROWN OR RED WIRE INDICATES PIN #1

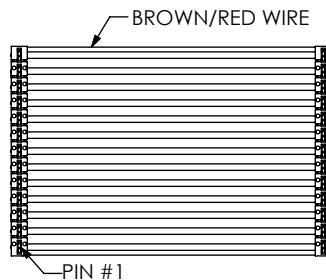
SINGLE ROW



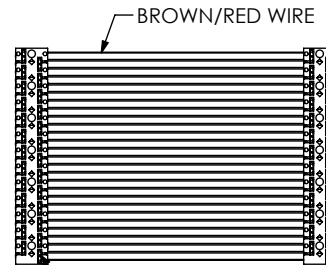
BROWN OR RED WIRE INDICATES PIN #1

DOUBLE ROW

STANDARD WIRING

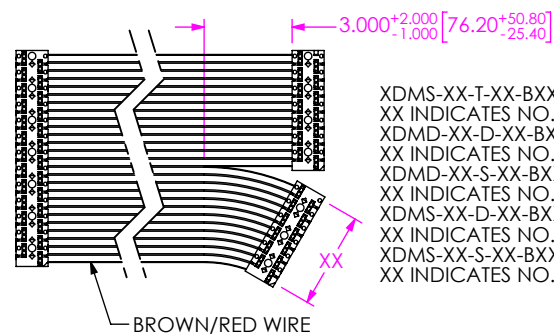


SINGLE ROW



DOUBLE ROW

**-RW**  
REVERSED WIRING



XDMS-XX-T-XX-BXX:  
XX INDICATES NO. OF POSITIONS  
XDMD-XX-D-XX-BXX:  
XX INDICATES NO. OF CONDUCTORS  
XDMD-XX-S-XX-BXX:  
XX INDICATES NO. OF CONDUCTORS  
XDMS-XX-D-XX-BXX:  
XX INDICATES NO. OF POSITIONS  
XDMS-XX-S-XX-BXX:  
XX INDICATES NO. OF POSITIONS

**-BXX**  
BREAKOUT

NOTE: MUST HAVE EVEN NUMBER OF BREAKOUT POSITIONS ON DOUBLE ROW ASSEMBLIES

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:  
ASSEMBLY INSULATION DISPLACEMENT TERMINAL CONNECTOR



DWG. NO.  
**XDMX-XX-X-XX.XX-XXX-XXX**

BY: JORDAN 12/30/1987 SHEET 3 OF 3

NOTE:  
1. INSERT POLARIZING KEY PART NO. PK-06 INTO SPECIFIED POSITION -XX OF IDS END OF -T (TRANSFER) END ONLY.  
2. POLARIZED POSITION WILL HAVE SAME ELECTRICAL POSITION FROM BROWN WIRE.

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Click below to explore more details on WIN SOURCE:

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-  [Samtec Inc. Information](#)

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-  Shortage Management
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-  Excess Inventory Management