

NOTES:

- CONNECT DRAIN WIRE FROM CABLE 3 TO SHEILDS OF CABLE 1 AND 2, LENGTHEN AND CRIMP FOR INSERTION TO PIN 41.
- REMOVE 3" OF JACKET FROM T-BOARD END OF WIRES, STRIP 1/4", TIN AND LABEL 1 1/2" FROM END.
- CABLES WILL BE 8' LONG +/-1" FROM CONNECTOR TO TIP OF TINNED WIRE
- SLEEVING WILL BE CUT TO SIZE ON CABLE. IT WILL COVER THE CABLES TO THE EDGE OF THE JACKET ON BOTH ENDS.

REVISIONS						
REV	ZONE	ECN NO.	DESCRIPTION	BY	DATE	CKR APP
B	---	---	UPDATED T-BOARD LABELS	MC	3/28/2019	✗ ✗

(x) <-- DENOTES PAIR NUMBER

T-BOARD

SOLID/BAND

PLACE ONE PIECE OF 1/2" HEAT SHRINK, 2" LONG OVER THE ASSEMBLY, COVERING 1 5/8" OF JACKET AND SLEEVING.

PLACE ONE PIECE OF 1/2" HEAT SHRINK, 2" LONG OVER THE CABLE AND SLEEVING WHERE IT WILL BE CLAMPED BY HOUSING

SOLID/BAND

P1

LABEL: W44	RED/BLACK	(1)
LABEL: W46	BLACK/RED	(1)
LABEL: W18	WHITE/BLACK	(2)
LABEL: W19	BLACK/WHITE	(2)
LABEL: W14	GREEN/BLACK	(3)
LABEL: W15	BLACK/GREEN	(3)
LABEL: W10	BLUE/BLACK	(4)
LABEL: W11	BLACK/BLUE	(4)
LABEL: W7	YELLOW/BLACK	(5)
LABEL: W9	BLACK/YELLOW	(5)
LABEL: W52	BROWN/BLACK	(6)
LABEL: W50	BLACK/BROWN	(6)
LABEL: W54	ORANGE/BLACK	(7)
LABEL: W53	BLACK/ORANGE	(7)
LABEL: W58	WHITE/RED	(8)
LABEL: W57	RED/WHITE	(8)

LABEL: W61	RED/BLACK	(1)
LABEL: W62	BLACK/RED	(1)
LABEL: W20	WHITE/BLACK	(2)
LABEL: W22	BLACK/WHITE	(2)
LABEL: W24	GREEN/BLACK	(3)
LABEL: W26	BLACK/GREEN	(3)
LABEL: W3	BLUE/BLACK	(4)
LABEL: W1	BLACK/BLUE	(4)
LABEL: W16	YELLOW/BLACK	(5)
LABEL: W17	BLACK/YELLOW	(5)
LABEL: W12	BROWN/BLACK	(6)
LABEL: W13	BLACK/BROWN	(6)
LABEL: W40	BLACK/ORANGE	(7)
LABEL: W37	ORANGE/BLACK	(7)
LABEL: W36	RED/WHITE	(8)
LABEL: W41	WHITE/RED	(8)

LABEL: W5	RED	
LABEL: W4	BLACK	
LABEL: W6	WHITE	
LABEL: W8	GREEN	
LABEL: W2	DRAIN	

CABLE #1 26AWG/8P STP L=8' +/-1"

CABLE: 3M MPN: 3750/16-100

CABLE #2 26AWG/8P STP L=8' +/- 1"

CABLE: 3M MPN: 3750/16-100

CABLE #3 22AWG/4C SHIELDED L=8' +/- 1"

CABLE: BELDEN MPN: 5502FE 008U500

RED/BLACK	(1)
BLACK/RED	(1)
WHITE/BLACK	(2)
BLACK/WHITE	(2)
GREEN/BLACK	(3)
BLACK/GREEN	(3)
BLUE/BLACK	(4)
BLACK/BLUE	(4)
YELLOW/BLACK	(5)
BLACK/YELLOW	(5)
BROWN/BLACK	(6)
BLACK/BROWN	(6)
ORANGE/BLACK	(7)
BLACK/ORANGE	(7)
WHITE/RED	(8)
RED/WHITE	(8)

RED/BLACK	(1)
BLACK/RED	(1)
WHITE/BLACK	(2)
BLACK/WHITE	(2)
GREEN/BLACK	(3)
BLACK/GREEN	(3)
BLUE/BLACK	(4)
BLACK/BLUE	(4)
YELLOW/BLACK	(5)
BLACK/YELLOW	(5)
BROWN/BLACK	(6)
BLACK/BROWN	(6)
BLACK/ORANGE	(7)
ORANGE/BLACK	(7)
RED/WHITE	(8)
WHITE/RED	(8)

RED	15
BLACK	30
WHITE	43
GREEN	44
DRAIN	41

D-SUB CONNECTOR: TE CONNECTIVITY MPN: 1658672-1

D-SUB CONTACTS: TE CONNECTIVITY MPN: 1658670-2



D-SUB BACKSHELL: TE CONNECTIVITY MPN: 5745173-1

D-SUB JACKSCREWS: TE CONNECTIVITY MPN: 747784-8

SLEEVING: FLEXO FR MPN: FRN0.50TB100 OR EQUIVALENT

HEAT SHRINK TUBING: ALPHA-WIRE MPN: F221V1/2 BK201 OR EQUIVALENT

CABLE #1 AND #2 SHIELDS TO BE SOLDERED TO CABLE #3 DRAIN. WIRE EXTENDED IF NEEDED TO TERMINATE UNDER PIN 41 OF D-SUB P1.

<p>OUTSTANDING ECN NUMBERS</p> <p>INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989</p> <p>UNLESS OTHERWISE SPECIFIED</p> <p>DIMENSIONS ARE IN INCHES</p> <p>DECIMAL TOLERANCES</p> <p>.X ± .06</p> <p>.XX ± .02</p> <p>.XXX ± .005</p> <p>ANGULAR TOLERANCE ± 1°</p> <p>EXPERIMENT</p> 	<p>FINISH</p> <p>NA ✓</p> <p>BREAK SHARP EDGES</p> <p>MAX. .03 MIN. .01</p>		<p>DRAWN BY: M. CAPOTOSTO 3/28/2019</p>		<p>BROOKHAVEN NATIONAL LABORATORY</p> <p>UPTON, N.Y. 11973</p>		
			<p>DESIGN APPROVAL</p>		<p>TITLE: STAR_FST</p>		
			<p>CHECKED BY: S. VALENTINO 3/28/2019</p>		<p>STAR FST INNER CABLE</p>		
			<p>ENGINEER APPROVAL</p>		<p>FOR TEST STAND</p>		
<p>SUPERVISOR APPROVAL</p>		<p>SIZE: B</p>		<p>DRAWING NUMBER: FST_INNER_TEST_STAND_CABLE_DWG1_REVB</p>		<p>REV. B</p>	
<p>Q.A. APPROVAL</p>		<p>Q.A. CATAGORY: NA</p>		<p>SCALE: 1/X</p>	<p>WEIGHT: NA</p>	<p>SHEET 1 OF 1</p>	