

- 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 1/2" 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
C	---	---	UPDATED FOR T-BOARD V2.1	MC	10/18/2019	✗	✗
B	---	---	UPDATED T-BOARD LABELS	MC	3/28/2019	✗	✗

(x) <-- DENOTES PAIR NUMBER

### T-BOARD

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

### P1

LABEL	SOLID/BAND	PAIR
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: W58	ORANGE/BLACK	7
LABEL: W57	BLACK/ORANGE	7
LABEL: W54	WHITE/RED	8
LABEL: W53	RED/WHITE	8
LABEL: W52	RED/BLACK	1
LABEL: W50	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	

RE-LABEL THESE FOUR PAIRS FOR V2.1 T-BOARD

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

LABEL	SOLID/BAND	PAIR
1	RED/BLACK	1
16	BLACK/RED	1
2	WHITE/BLACK	2
17	BLACK/WHITE	2
3	GREEN/BLACK	3
18	BLACK/GREEN	3
4	BLUE/BLACK	4
19	BLACK/BLUE	4
5	YELLOW/BLACK	5
20	BLACK/YELLOW	5
6	BROWN/BLACK	6
21	BLACK/BROWN	6
7	ORANGE/BLACK	7
22	BLACK/ORANGE	7
8	WHITE/RED	8
23	RED/WHITE	8
9	RED/BLACK	1
24	BLACK/RED	1
10	WHITE/BLACK	2
25	BLACK/WHITE	2
11	GREEN/BLACK	3
26	BLACK/GREEN	3
12	BLUE/BLACK	4
27	BLACK/BLUE	4
13	YELLOW/BLACK	5
28	BLACK/YELLOW	5
14	BROWN/BLACK	6
29	BLACK/BROWN	6
37	BLACK/ORANGE	7
38	ORANGE/BLACK	7
39	RED/WHITE	8
40	WHITE/RED	8
15	RED	
30	BLACK	
43	WHITE	
44	GREEN	
41	DRAIN	

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>BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973</p>				
	<p>UNLESS OTHERWISE SPECIFIED</p>		<p>DRAWN BY</p>	<p>M.CAPOTOSTO</p>	<p>10/18/2019</p>	<p>TITLE: STAR_FST STAR FST INNER CABLE FOR TEST STAND</p>			
	<p>DIMENSIONS ARE IN INCHES DECIMAL TOLERANCES .X ± .06 .XX ± .02 .XXX ± .005 ANGULAR TOLERANCE ± 1°</p>		<p>DESIGN APPROVAL</p>			<p>SIZE: B</p>			
	<p>EXPERIMENT</p> 		<p>ENGINEER APPROVAL</p>			<p>DRAWING NUMBER: FST_INNER_TEST_STAND_CABLE_DWG1_REVC</p>		<p>REV. C</p>	
<p>NA FINISH</p>		<p>BREAK SHARP EDGES MAX. .03 MIN. .01</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>