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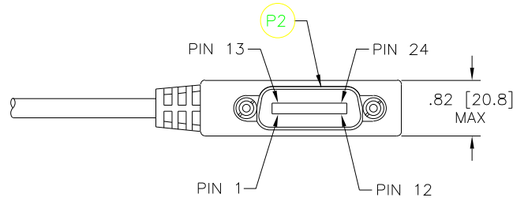
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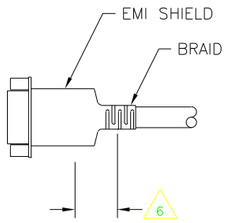
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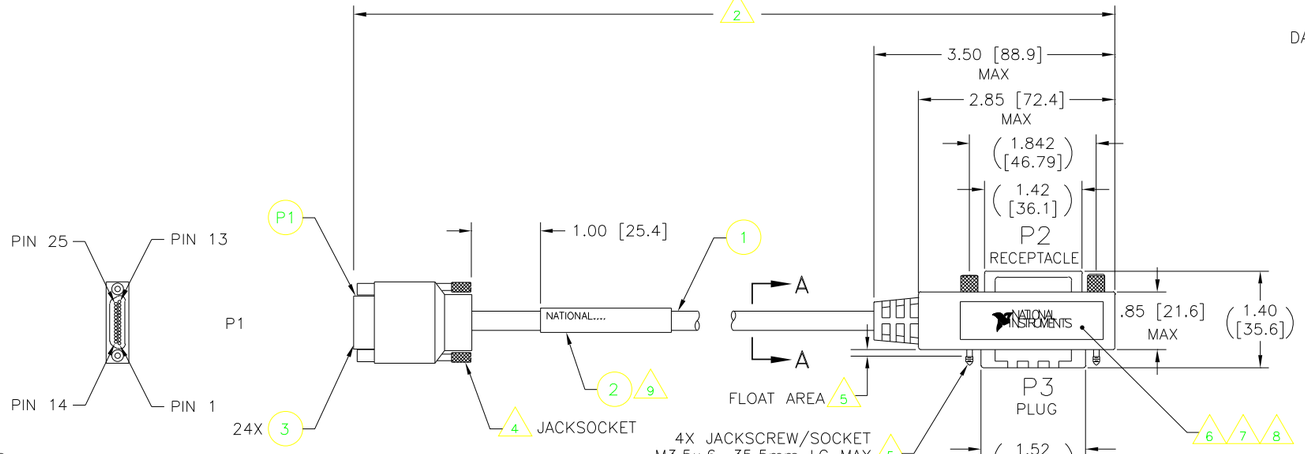
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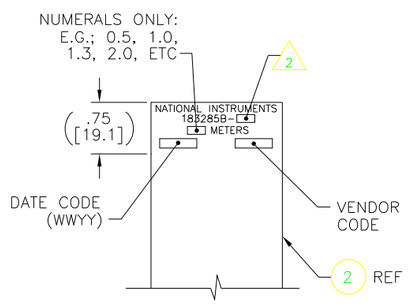
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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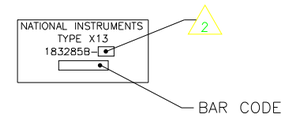


DETAIL A





DETAIL B
SCALE: NONE
9



DETAIL C
SCALE: NONE
11

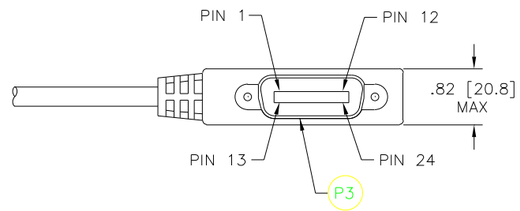


TABLE 1 2	
LENGTH	TOLERANCE
<2m	±5cm
2m TO 5m	±10cm
>5m	±15cm

11 COMPLETED CABLE ASSEMBLY SHALL BE PACKAGED INDIVIDUALLY IN A PLASTIC BAG (ANTISTATIC PREFERRED). CONNECTORS SHALL BE PACKAGED IN SUCH A MANNER AS TO PREVENT DAMAGE DURING SHIPMENT. MARK BAG USING A PAPER LABEL, WITH ADHESIVE BACKING, PER DETAIL C. THE BAR CODE SHALL CONSIST OF THE NI PART NUMBER IN CODE 128B OR CODE 39 (3 OF 9) FORMAT, HEIGHT ≥ .20 [5.1].

10 THE COMPLETED CABLE ASSEMBLY SHALL BE ELECTRICALLY TESTED PER WIRE LIST AND NOTE 6. A MECHANICAL CHECK SHALL BE DONE TO ASSURE PROPER ASSEMBLY PER THIS DRAWING. CABLE JACKET SHALL BE SECURE IN THE BACKSHELL/OVERMOLD.

9 MARK LABEL (ITEM 2) AS SHOWN IN DETAIL B. CABLE VENDOR SHALL MARK LABEL WITH A VENDOR ID CODE THAT IS AGREED UPON BY NI PURCHASING.

8 OVERMOLD NI LOGO ON BOTH SIDES OF CONNECTORS P2/P3 IN THIS AREA, CENTERED.

7 CONNECTORS P2/P3 TO BE OVERMOLDED. OVERMOLD MATERIAL SHALL BE UL 94V-0 APPROVED PLASTIC. THE COLOR OF THE OVERMOLD SHALL MATCH THE COLOR OF THE CABLE JACKET. COLOR: BLACK.

6 THE EMI SHIELD OF P1 SHALL BE CRIMPED TO THE BRAID AND CABLE JACKET. THE OPEN AREA BETWEEN THE EMI SHIELD AND THE CABLE CLAMP SHALL BE COVERED WITH COPPER TAPE. AN ELECTRICAL CONNECTION SHALL BE MADE BETWEEN THE SHIELD, BRAID, AND COPPER TAPE. THE BRAID SHALL BE CONNECTED TO THE EMI SHIELD OF P2/P3. THE DRAIN WIRE SHALL BE CONNECTED TO PIN 12 OF P1 AND PIN 12 OF P2/P3.

5 JACKSCREWS SHALL BE PERMANENTLY RETAINED IN THE CONNECTOR HOUSING AND OVERMOLD WITH .15 [3.8] TOTAL FLOAT.

4 ASSEMBLE AND TERMINATE CABLE TO CONNECTORS P1 AND P2/P3 PER WIRE LIST. INSTALL JACKSOCKET INTO P1.

3 ASSEMBLE PER PARTS LIST. DO NOT SUBSTITUTE OR CHANGE PARTS WITHOUT WRITTEN APPROVAL FROM NI ENGINEERING. VENDOR SHALL SUPPLY A FIRST ARTICLE FOR APPROVAL FROM NI ENGINEERING BEFORE CABLE IS MANUFACTURED.

2 DASH NUMBER (-XX) EQUALS CABLE LENGTH IN METERS. AN "R" IS USED TO INDICATE A DECIMAL POINT (-0R5 EQUALS .5 METER, -01 EQUALS 1 METER, -1R3 EQUALS 1.3 METERS, -02 EQUALS 2 METERS, ETC). SEE TABLE 1 FOR TOLERANCES.

1. DIMENSIONS IN ( ) ARE FOR REFERENCE ONLY.

NOTES: UNLESS OTHERWISE SPECIFIED.

WIRE LIST 4 10			
SIGNAL	P1	COLOR MAIN/STRIPE	P2/P3
DIO1	1	BROWN	1
DIO2	2	RED	2
DIO3	3	ORANGE	3
DIO4	4	YELLOW	4
DIO5	13	GREEN	13
DIO6	14	BLUE	14
DIO7	15	VIOLET	15
DIO8	16	GRAY	16
EOI	5	WHITE	5
GND	18	BLACK	18
DAV	6	WHITE/BROWN	6
GND	19	WHITE/RED	19
NRFD	7	WHITE/ORANGE	7
GND	20	WHITE/YELLOW	20
NDAC	8	WHITE/GREEN	8
GND	21	WHITE/BLUE	21
IFC	9	WHITE/VIOLET	9
GND	22	WHITE/GRAY	22
SQR	10	WHITE/BROWN/RED	10
GND	23	WHITE/BROWN/ORANGE	23
ATN	11	WHITE/BROWN/YELLOW	11
GND (LOGIC)	24	WHITE/BROWN/GREEN	24
REN	17	WHITE/BROWN/BLUE	17
SHIELD	12	DRAIN WIRE	12
NO CONNECT	25		

6

CUSTOMER COPY 4/30/99

A CURRENT ISSUE OF THIS DRAWING MUST INCLUDE A COPY OF THE FOLLOWING ECO'S:
ECO _____ DATE _____
ECO _____ DATE _____
ECO _____ DATE _____
ECO _____ DATE _____
ECO _____ DATE _____
ECO _____ DATE _____

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND [MILLIMETERS] TOLERANCES ARE:
.XX[.X]±.01[.3] ANGLES
.XXX[.XX]±.005[.13] ±2°
DO NOT SCALE DRAWING
MATERIAL 3
FINISH

APPROVALS	DATE
DRAWN R. GONZALES	9/19/95
REVISED	
CHECKED H.HOFFMEYER	9/19/95
TECH R. GONZALES	9/19/95
ENGR W. LAWSON	9/19/95

NATIONAL INSTRUMENTS® AUSTIN, TEXAS

TITLE: CABLE ASSY, GPIB, MICRO D25 TO CHAMP RIBBON 24, TYPE X13

SIZE	CODE IDENT NO.	DRAWING NO.	REV
D	7U296	183285B-XX	1

SCALE: 1/1 SHEET 1 OF 1

183285B-XX 1

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