

TI-5059 Cable Pinouts - B&R / Bosch SF - Heidenhain EnDat 17 pin M23			
Line	M23 Pin #	14 Pin TB Pin #	Conductor Color
+5V	7	1	RED
0V	10	2	WHT
A+	15	3	BLK
A-	16	4	BRN
B+	12	5	ORG
B-	13	6	YEL
+ DATA	14	9	GRN
		9-11	GRN JUMPER
		11-13	GRN JUMPER
- DATA	17	10	BLU
		10-12	BLU JUMPER
		12-14	BLU JUMPER
Line	M23 Pin #	12 Pin TB Pin #	Conductor Color
+ CLOCK	8	3	VIO
- CLOCK	9	4	GRY

17 pin M23 Kit		
M/E P/N:	21135917	
Manuf. P/N:	Amphenol MA7CAP1700S-S1-KIT	
10 cond., 24AWG		
M/E P/N:	60090010	
Manuf. P/N:	Carol C0745A	
Terminal Block - 14pin		
M/E P/N:	21235114	
Manuf. P/N:	PCD ELFT 14260	
Terminal Block - 12pin		
M/E P/N:	21235112	
Manuf. P/N:	PCD ELFT 12260	

- NOTE:**
- Std Keying, Between 1 & 11
 - J2 must be long to go around adapter
 - cut DRAIN

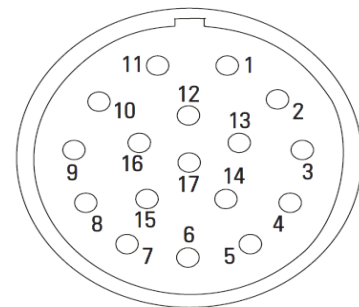
Start with 6' of 10 conductor cable

M23 end of Cable

1. Strip off 1" of cover
2. Slide nut, metal washer, rubber grommet, and plastic collar onto cable
3. Strip (.125") and tin wires
4. Solder pins into the connector body
5. Assemble connector and thread nut and strain relief onto the connector

TB end of cable

1. Strip off 10.5" of cover and remove clear plastic
2. Apply .75" of .25" heat shrink at end of cover
3. Route GRN, BLU, GRY, and VIO back towards main cable
4. Install cable tie around 4 wires at heat shrink, trim tie to 5/16", install tie at pin J1-8
5. Cut wires of 14 pin TB to proper length, strip, install in 14 pin TB
 cut 2 GRN & 2 BLU jumpers each 1.5"
 twist each pair together at one end and tin
 twist one end of each pair together with respective GRN and BLU wire, tin
6. Insert both connectors into the board at J1 and J2 with adapter module in place
7. Route remaining 2 wires through another cable tie, trim tie to 5/16", install at J2-1
8. Cut wires of 12 pin TB to proper length, strip and install in 12 pin TB
9. Tighten all unused terminals
10. Install identifying label on 14 pin TB



Rear View (Solder Side)