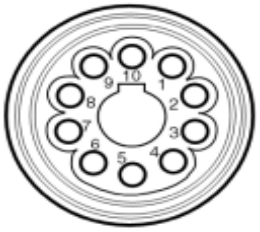
TI-5093 Cable Pinouts - Rexroth MSK Hiperface or Endat with Hypermotion (10pin round)			
Line	**Round Pin #**	**14 Pin TB Pin #**	**Conductor Color**
+5V	1	1	RED
0V	2	2	WHT
A+	3	3	BLK
A-	4	4	BRN
B+	5	5	ORG
B-	6	6	YEL
+ DATA	7	9,11,13	GRN
- DATA	8	10,12,14	BLU
Line	**Round Pin #**	**12 Pin TB Pin #**	**Conductor Color**
+ CLOCK	9	3	VIO
- CLOCK	10	4	GRY

NOTE:
- J2 must be long to go around adapter
- Standard Keying - **D shaped key in center of connector**
- Clock lines are used with Endat only
- Individual pins are used as an alternative to the connector

Start with 6' of 10 conductor cable



Hypermotion end of Cable
1. Strip off 20mm of cover
2. Slide nut, rubber grommet, plastic collar, and rear body onto cable
3. Strip and tin wires, remove drain
4. Solder the wires onto the pins
5. Insert housing into the connector front body
6. 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. Tin any FREE wires, cable tie them back to main cable
4. Route 2 wires for 12 pin TB and GRN,BLU back towards main cable
5. Install cable tie around 4 wires at heat shrink, trim tie to 5/16", install tie at pin J1-8
6. Cut wires of 14 pin TB to proper length, strip, install in 14 pin TB
   GRN & BLU are jumpered to 3 pins each
   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
7. Insert both connectors into the board at J1 and J2 with adapter board 5101in place
8. Route remaining 2 wires through another cable tie, trim tie to 5/16", install at J2-1
9. Cut wires of 12 pin TB to proper length, strip and install in 12 pin TB
10. Tighten all unused terminals
11. Install identifying sticker on TB J1

Connector		
	M/E P/N:	21135730
	Manuf. P/N:	Rexroth RGS1001/C01 (R911308584)
	Vendor P/N	Hydrotech RGS1001/C01 (R911308584)
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