

CAM 3
(IT1000 PLUS)

- C1
- 1 24V Return (Cam 3) 20 AWG
 - 2 +24V (Cam 3) 20 AWG
 - 3 Video (Cam 3)
 - 4 Video Shd (Cam 3)

MCBH4F

ROTATE 1

- C2
- 1 24V Return (Rot 1)
 - 2 +24V (Rot 1)
 - 3 +10V (Rot 1)
 - 4 -10V (Rot 1)
 - 5 RS232 RX (Rot 1)
 - 6 RS232 TX (Rot 1)
 - 7 RS232 COM (Rot 1)
 - 8 Frame Ground

MCBH8F

HEADING
SENSOR

- C3
- 1 5V Return (Heading) 22 AWG
 - 2 +5V (Heading) 22 AWG
 - 3 RS232 RX (Heading) 22 AWG
 - 4 RS232 TX (Heading) 22 AWG
 - 5 RS232 COM (Heading) 22 AWG
 - 6
 - 7
 - 8

MCBH8F

LIGHTS 1-2
to y-cable
to season 3pin

- C4
- 1 24V Return (Light1) 22 AWG
 - 2 +24V (Light1) 22 AWG
 - 3 +24V (Light2) 22 AWG
 - 4 24V Return (Light2) 22 AWG
 - 5
 - 6 Frame Gnd 22 AWG

MCBH6F

LIGHTS
3-4

- C5
- 1 24V Return (Light 3) 22 AWG
 - 2 +24V (Light 3) 22 AWG
 - 3 +24V (Light 4) 22 AWG
 - 4 24V Return (Light 4) 22 AWG
 - 5
 - 6 Frame Gnd 22 AWG

MCBH8F

LASERS

- C6
- 1 5V Return (Lasers) 20 AWG
 - 2 +5V (Lasers) 20 AWG
 - 3
 - 4

MCBH4F

SONAR

- C7
- 1 24V Return (Sonar) 20 AWG
 - 2 RS485 B (Sonar) 20 AWG
 - 3 RS485 A (Sonar) 20 AWG
 - 4 +24V (Sonar) 20 AWG

MCBH4F

TILT

- C8
- 1 24V Return (Tilt) 22 AWG
 - 2 +24V (Tilt) 22 AWG
 - 3 +10V (Tilt) 22 AWG
 - 4 -10V (Tilt) 22 AWG
 - 5 RS232 RX (Tilt) 22 AWG
 - 6 RS232 TX (Tilt) 22 AWG
 - 7 RS232 COM (Tilt) 22 AWG
 - 8 Frame Gnd 22 AWG

MCBH8F

- C9
- 1 20 AWG
 - 2 20 AWG
 - 3 20 AWG

MCBH3F

- 22 AWG 24V RETURN (CAM 3)
- 22 AWG +24V (CAM 3)
- COAX Coax VIDEO (CAM 3)
- COAX Coax VIDEO SHD (CAM 3)
- 20 AWG 24V RETURN (ROT 1)
- 20 AWG +24V (ROT 1)
- 24 AWG STP +10V (ROT 1)
- 24 AWG STP -10V (ROT 1)
- 24 AWG RS232 RX (ROT 1)
- 24 AWG RS232 TX (ROT 1)
- 24 AWG RS232 COM (ROT 1)
- 24 AWG FRAME GND
- 24 AWG 5V RETURN (HEADING)
- 24 AWG +5V (HEADING)
- 24 AWG TP RS232 RX (HEADING)
- 24 AWG TP RS232 TX (HEADING)
- 24 AWG TP RS232 COM (HEADING)
- 20 AWG 24V RETURN (LIGHT 1)
- 20 AWG +24V (LIGHT 1)
- 20 AWG +24V (LIGHT 2)
- 20 AWG 24V RETURN (LIGHT 2)
- 24 AWG FRAME GND
- 20 AWG 24V RETURN (LIGHT 3)
- 20 AWG +24V (LIGHT 3)
- 20 AWG +24V (LIGHT 4)
- 20 AWG 24V RETURN (LIGHT 4)
- 24 AWG FRAME GND
- 24 AWG 5V RETURN (LASERS)
- 24 AWG +5V (LASERS)
- 24 AWG 24V RETURN (SONAR)
- 24 AWG TP RS485B (SONAR)
- 24 AWG TP RS485A (SONAR)
- 22 AWG TP +24V (SONAR)
- 22 AWG 24V RETURN (TILT)
- 22 AWG +24V (TILT)
- 24 AWG STP +10V (TILT)
- 24 AWG STP -10V (TILT)
- 24 AWG TP RS232 RX (TILT)
- 24 AWG TP RS232 TX (TILT)
- 24 AWG TP RS232 COM (TILT)
- 24 AWG FRAME GND

TO E-POD E4

MINO-44-CCP-PBOF

Title		
MiniROV: Core Junction Box		
Size B	Document Number <Doc>	Rev 1
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