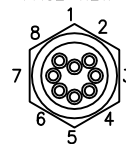


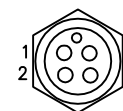
NOTES:

1. PRESSURE HOUSING MATERIAL: 6AL/4V TITANIUM, GLASS, PVC
2. WEIGHT: IN AIR 5.67kg (12.5 lb.)
IN WATER 2.95 kg (6.5 lb.)
3. OPERATING DEPTH: 3,000 METERS (9,843 ft)
4. TEMPERATURE: OPERATING 0°C TO 40°C (32°F TO 104°F)
5. ELECTRICAL: CAMERA POWER 12 TO 30VDC @ 600 mA
VIDEO OUTPUT 1.0 V pp COMPOSITE (NTSC OR PAL)
6. PICTURE STORAGE: TYPE 1 OR TYPE 2 COMPACT FLASH CARD
7. SENSOR: 1/1.8" HIGH DENSITY CCD, 3.34 MILLION PIXELS
8. LENS: 4x ZOOM-NIKKOR, f = 8 - 32mm
9. APPROXIMATE FOCUS RANGE: 4" (101.6mm) TO INFINITY (FULL WIDE)
5" (127mm) TO INFINITY (FULL TELE)
10. CAMERA CONNECTOR: SUBCONN MCBH8M
11. CAMERA MATE CONNECTOR: SUBCONN MCIL8F
12. STROBE CONNECTOR: SUBCONN MCBH4F
13. STROBE MATE CONNECTOR: SUBCONN MCIL4M

MCBH8M
FACE VIEW

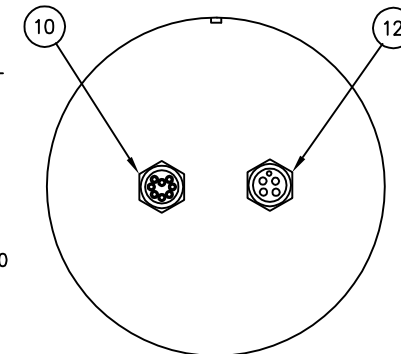
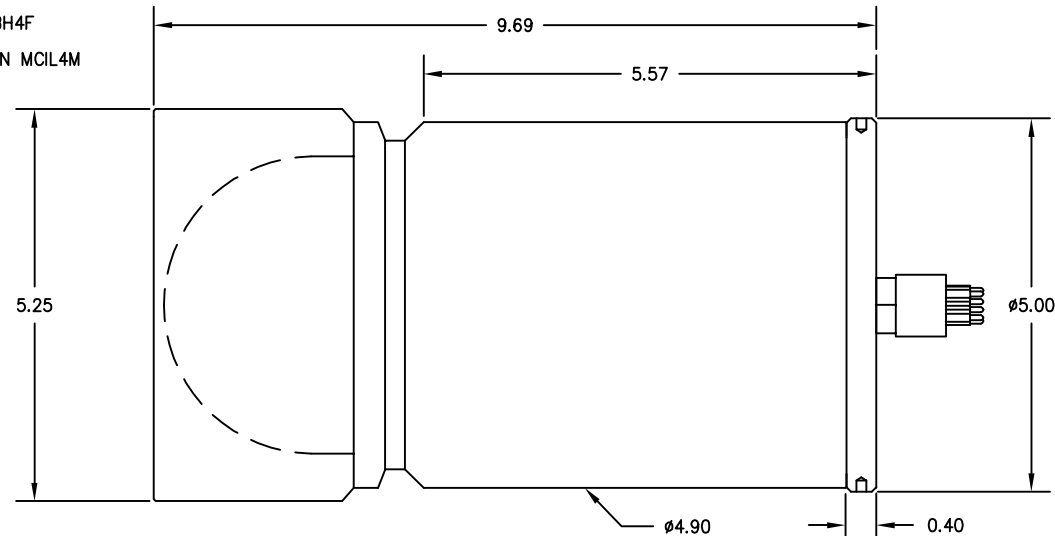
CAMERA I/O CONNECTOR

PIN	DESCRIPTION
1	POWER RETURN
2	+12V to +30V POWER
3	COMPOSITE VIDEO
4	COMMON/SHIELD
5	USB DATA+ (PICTURES)
6	USB DATA- (PICTURES)
7	RS232 TXD (GUI)
8	RS232 RXD (GUI)

MCBH4F
FACE VIEW

STROBE OUTPUT CONNECTOR

PIN	DESCRIPTION
1	COMMON/SHIELD
2	STROBE TRIGGER
3	STROBE STOP
4	+12V to +30V POWER



UNLESS OTHERWISE SPECIFIED:

TOLERANCES:	SURFACE FINISH
.XX~ : ±.02	ALL DIMENSIONS ARE IN INCHES (MM)
.XX : ±.01	REMOVE ALL BURRS
.XXX : ±.005	BREAK ALL SHARP EDGES .02 - .03
HOLES : ±.003	DIMENSIONS APPLY BEFORE PLATING
ANGULAR : ±0.5°	DO NOT SCALE DRAWING
FRACTIONAL : ±1/64	

1	SCORPIO
QTY	NEXT ASSEMBLY USED ON
PER	APPLICATION

MATERIAL NOTED
SPECIFICATION NOTED
FINISH
PLATING NONE

ENG B.G.
DRAW B.G.
CHECKED
APPROVED

INSITE PACIFIC Inc

SOLANA BEACH * CALIFORNIA * U.S.A. * TEL: 858-523-0642

SCORPIO PLUS DIGITAL STILL CAMERA
3,000 METER ; MCBH8M

SIZE B	DRAWING NO. 1001038	REV A
DATE 1/05	SCALE 1 = 1	SHEET 1 OF 1