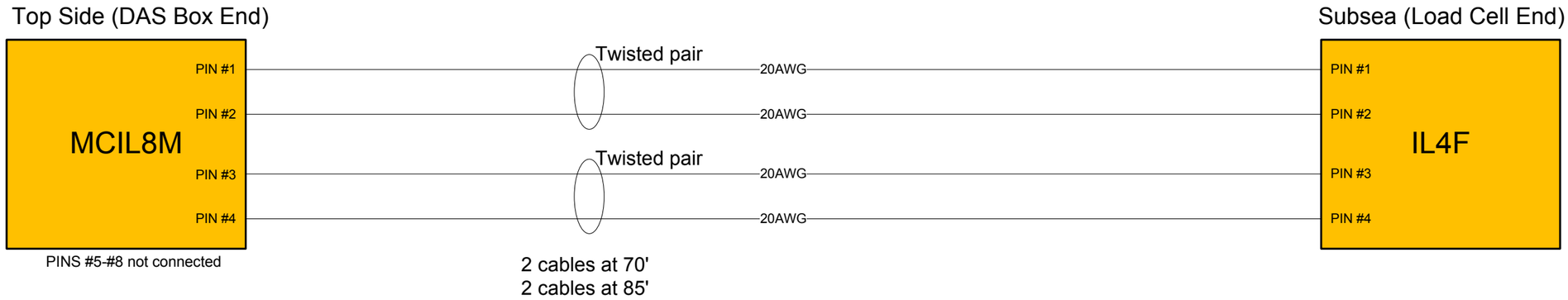
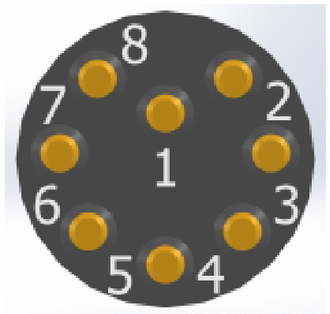


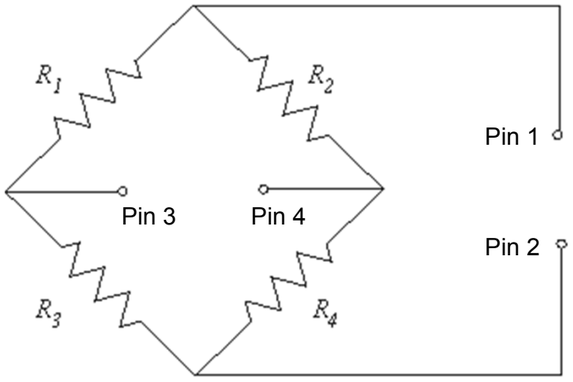
2 cables at 70'
2 cables at 85'

Neoprene outer jacket and Teflon wire insolation



Face view of MCIL8M
(DAS Box End Plug)

Load Cell is shackle pin with a full bridge strain gage measuring shear load on the pin. Gages R1,R2,R3,R4 all are 350 ohms



ELECTRICAL CONNECTIONS	
PIN 1	+INPUT
PIN 2	-INPUT
PIN 3	+OUTPUT
PIN 4	-OUTPUT

Measure resistances across pins on the DAS box end of the load cell cable

Load Cell	Anchor	Pin 1-2 Ω	Pin 1-3 Ω	Pin 1-4 Ω	Pin 2-3 Ω	Pin 2-4 Ω	Pin 3-4 Ω
LC1	MK						
LC2	AB-K						
LC3	MC						
LC4	AB-C						

An example of a properly functioning loadcell and cable resitances

Load·Cell¤	Anchor¤	Pin·1-2·Ω¤	Pin·1-3·Ω¤	Pin·1-4·Ω¤	Pin·2-3·Ω¤	Pin·2-4·Ω¤	Pin·3-4·Ω¤
LC1¤	MK¤	351.8¤	275.4¤	301.7¤	276.3¤	302.3¤	350.5¤

Ethernet
RS232 Serial
Analog

MOIS @ Kaneohe Bay, NREL System

Load Cell Cable Testing

	SIZE	FSCM NO	DWG NO	REV
National Renewable Energy Laboratory	SCALE N/A	9/1/2015	SHEET 8 OF 8	