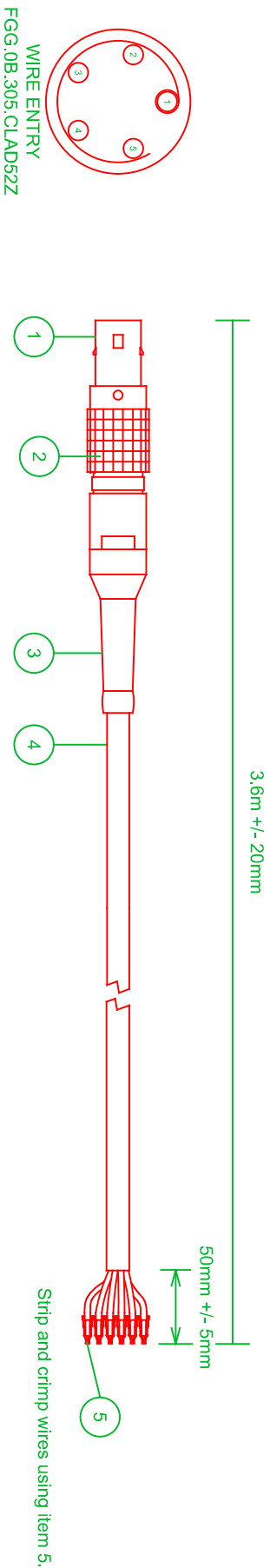


DSP06CABLE-L



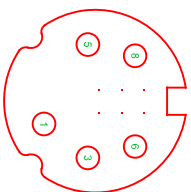
- Cut the cable (item 4) to length.
- Connect the the LEMO connector as per the connection table.
- Terminate the braid to the upper clamshell or to the collet.
- Strip back the outer insulation of the cable on the Molex end as per the drawing.
- Strip and crimp the wires into the Molex Pico EZmate crimps.

BILL OF MATERIALS - DSP06CABLE-L					
ITEM	QTY	MANUFACTURER	MANUFACTURER P/N	DESCRIPTION	RACELOGIC P/N
1	1	LEMO	FGG.0B.305.CLAD52Z	LEMO 5 WAY PLUG	LEMO 5W P
2	A/R	PRO POWER	SP3X15/5/BLACK	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	1	LEMO	GMA.0B.030.DN	LEMO STRAIN BOOT	GMA.0B.030.D
4	3.6m	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE BLACK	LCPRN062801
5	6	MOLEX	781720411	MOLEX PICO-EZMATE CRIMP	

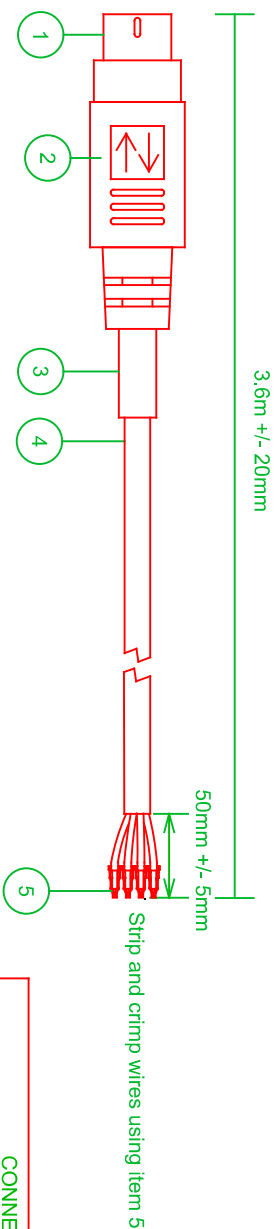
CONNECTION TABLE					
5W LEMO	FUNCTION	WIRE COLOUR	PICO EZMATE CRIMPS		
1	OLED Rx 232	BROWN	1		
2	OLED TX RS232	YELLOW	2		
SHELL	GND	BLACK	3		
4	CAN L	GREEN	4		
3	CAN H	ORANGE	5		
5	POWER	RED	6		
SHELL	SCREEN	BRAID	N/C		

DRAWING NUMBER	DSP06CABLES	DRAWN	H.HUSSAIN	SHEET	1/3
DESCRIPTION	DSP06-X CABLES				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
5	CABLE LENGTH CHANGED	08-06-23	SH	21400	

DSP06CABLE-M

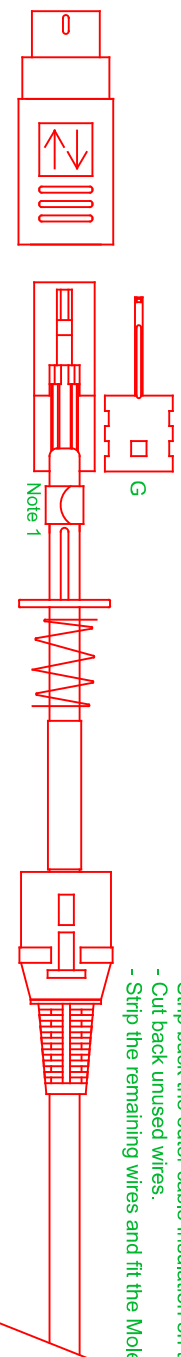


WIRE ENTRY
KMDLAX-5P



BILL OF MATERIALS - DSP06CABLE-M						
ITEM	QTY	MANUFACTURER	DESCRIPTION	MANUFACTURER P/N	DESCRIPTION	RACELOGIC P/N
1	1	KYCON	PRO POWER	KMDLAX-5P	LOCKING MINI DIN 5 WAY PLUG	KMDLAX-5P
2	A/R	HELLERMANN	HELLERMANN	SP3X15/5/BLACK	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	1	HELLERMANN	HELLERMANN	600-01702	H20X20 BLACK SLEEVING 2mm	116-9023
4	3.6m	GUANGZHOU	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE BLACK	LCPRN062801
5	4	MOLEX	MOLEX	781720411	MOLEX PICO EZMATE CRIMPS	

CONNECTION TABLE			
MINI DIN	FUNCTION	COLOUR	MOLEX
1	OLED Rx RS232	BROWN	1
3	OLED Tx RS232	YELLOW	2
5	GROUND	BLACK	3
8	POWER	RED	6
N/C	-	ORANGE	N/C
N/C	-	GREEN	N/C
CHASSIS	SCREEN	BRAID	N/C



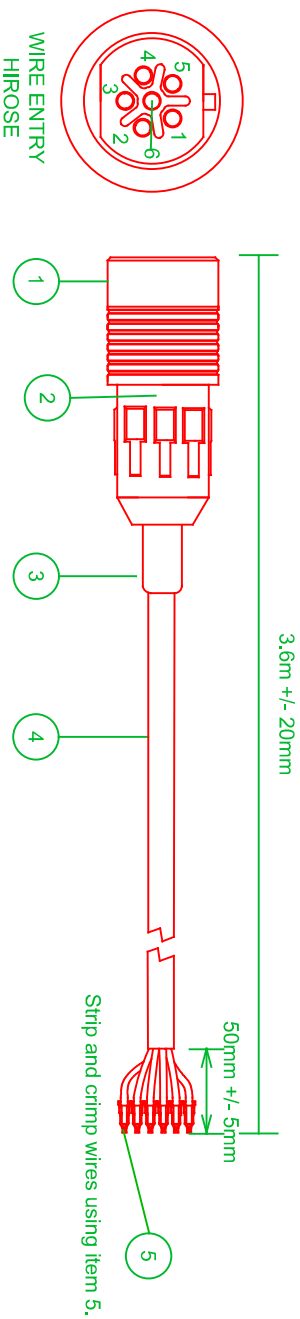
This procedure is to ensure that the building of this cable/assembly is consistent.

- PARTS LIST**
- A - Cable
 - B - Strain Relief
 - C - Rear Housing
 - D - H20 X H20 Black Sleeving
 - E - Coil Spring
 - F - Plastic Guide
 - G - Upper Body
 - H - Pin Block
 - I - Lower Body
 - J - Forward Housing
- Slide the parts onto the cable as shown above excluding part 'J' as this will be pushed on last.
 - Solder the wires into (H)
 - Fold enough braid back over the insulation to be crimped against the lower body and form a screen and trim any excess after crimping.
 - Clamp the cable (Item 4) onto 'I' using a pair of plyers to fold the wings around followed by crimping using the orange handled antenna crimp tool.
 - Slide down 'F' onto 'I'
 - Fit 'G' onto 'I' then fit 'E' over the whole of 'I'
 - Slide the 'Black Sleeving' down so it sits up against the wings of 'I'
 - Slide 'C' down over the 'Black Sleeving' ensuring that the 'Black Sleeving' is partially sticking out from 'B'
 - Finally push (J) over assembled connector

Refer to <http://www.toby.co.uk/datasheets/section1/kmdlax-xp.pdf> for any further information on MiniDIN assembly

DRAWING NUMBER	DSP06CABLES	DRAWN	H.HUSSAIN	SHEET	2/3
DESCRIPTION	DSP06-X CABLES				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
5	CABLE LENGTH CHANGED	08-06-23	SH	21400	

DSP06CABLE-H

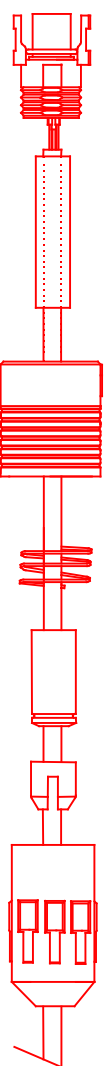


BILL OF MATERIALS - DSP06CABLE-H

ITEM	QTY	MANUFACTURER	MANUFACTURER P/N	DESCRIPTION	RACELOGIC P/N
1	1	HIROSE	HR30-6P-6P(31)	HIROSE 6 WAY PLUG	142-5745
2	AVR	PRO POWER	SP3X15/5/BLACK	HEATSHRINK BLACK 1.5mm 3:1	119-1021
3	AVR	PRO POWER	13636	HEATSHRINK BK 2:1 4.8mm	100-8431
4	3.6m	GUANGZHOU	LCPRN062801	6 CORE + SCREEN CABLE BLACK	LCPRN062801
5	6	MOLEX	781720411	MOLEX PICO EZMATE CRIMPS	

CONNECTION TABLE

HIROSE	FUNCTION	COLOUR	MOLEX
2	OLED Rx RS232	BROWN	1
1	OLED Tx RS232	YELLOW	2
3	GROUND	BLACK	3
4	CAN L	GREEN	4
5	CAN H	ORANGE	5
6	POWER	RED	6
N/C	SCREEN	-	N/C



- Strip and tin 6mm from each wire (item 4).
- Assemble the connector parts on the cable in the order and orientation shown.
- Cover the cable transition from the jacket to wires with item 3 over end of outer insulation.
- Solder wires into the Hirose as per the connection table cover joints with item 2.
- Slide connector components together and secure tightly.
- On the Molex end of the cable strip back the outer insulation as per the drawing, then, strip and crimp all the wires with item 5.

DRAWING NUMBER	DSP06CABLES	DRAWN	H.HUSSAIN	SHEET	3/3
DESCRIPTION	DSP06-X CABLES				
REVISION					
ISS	DESCRIPTION	DATE	APPROVED	REDMINE	
5	CABLE LENGTH CHANGED	08-06-23	SH	21400	