

MC Test Connector C2 for VAM

Model Number: THRSLTCA1054

Overview

The MC Test Connector C2 for VAM provides an interface between the **Main Controller (C4)** and the **BLH-3 harness**, with auxiliary outputs to **Molex A (2-pin)** and **Molex B (3-pin)** connectors. It distributes +24 V and +12 V power, multiple ground returns, VYM master/slave serial buses, and generator ON/OFF/E-Stop lines. Used during testing and subsystem validation in the **UXOR program supplied to IAF**.

Technical Specifications

Parameter	Specification
Function	Routes power, serial buses, and control lines between MC and BLH-3 with Molex breakouts
Connector A	MC C4 End: 62IN-16F-16-26P
Connector B	BLH-3 End: 62IN-56T-24-61S
Connector C	Molex A Female, 2-pin
Connector D	Molex B Female, 3-pin
Supported signals	+24 V, +12 V, GND, Serial TX/RX (Master/Slave U1 & U2), Generator ON/OFF, E-Stop
Cable type	Shielded/PTFE for signals; reinforced power leads
Environmental	IP65; -20 °C to +55 °C

Pin Configuration

A) MC C4 ↔ BLH-3

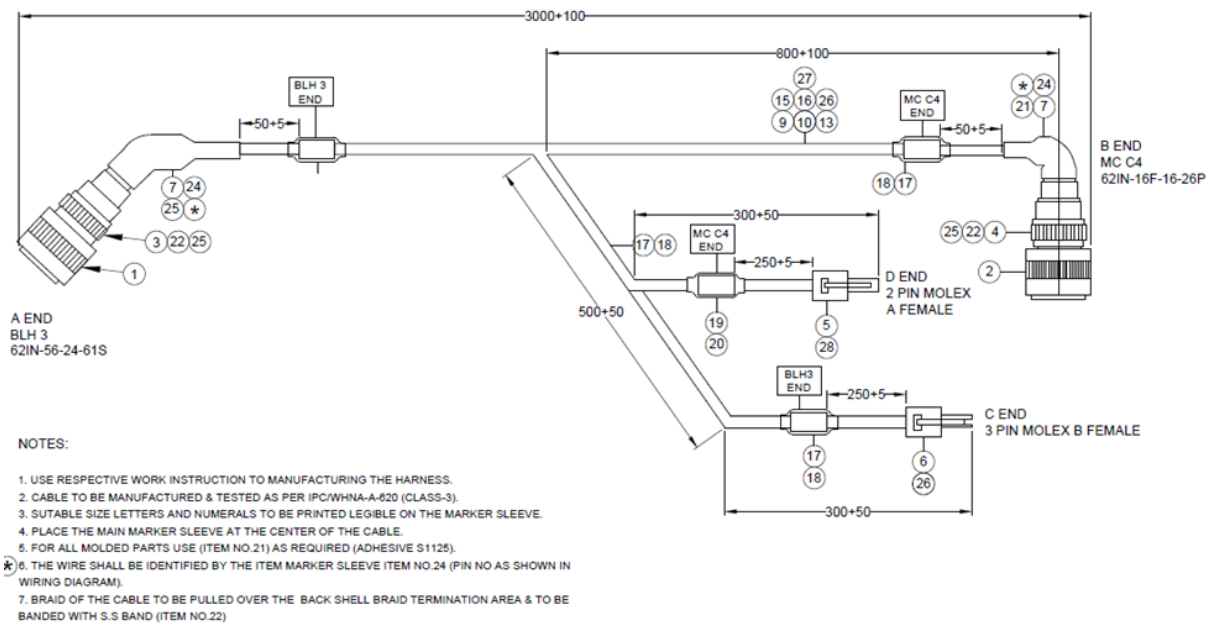
MC C4 Pin	Signal	BLH-3 Pin	Wire Color / Notes
A	+24 V DC	A	Red
B	+12 V DC	B	Yellow
C	GND	C	Black
D	VYM Master U2 TX2	D	TX2
E	VYM Master U2 RX2	E	RX2
F	VYM Master U2 GND	F	Black
G	VYM Master U1 TX1	G	TX1
H	VYM Master U1 RX1	H	RX1
J	VYM Master U1 GND	J	Black
K	+12 V DC	K	Yellow
L	GND	L	Black
M	VYM Slave S2 U1 TX1	M	TX1
N	VYM Slave S2 U1 RX1	N	RX1
P	VYM Slave S2 U1 GND	P	Black
R	+12 V DC	R	Yellow
S	GND	S	Black
T	VYM Slave S2 U2 TX2	T	TX2
U	VYM Slave S2 U2 RX2	U	RX2
S (dup.)	VYM Slave S2 U2 GND	S	Black

B) Molex A Female (2-pin)

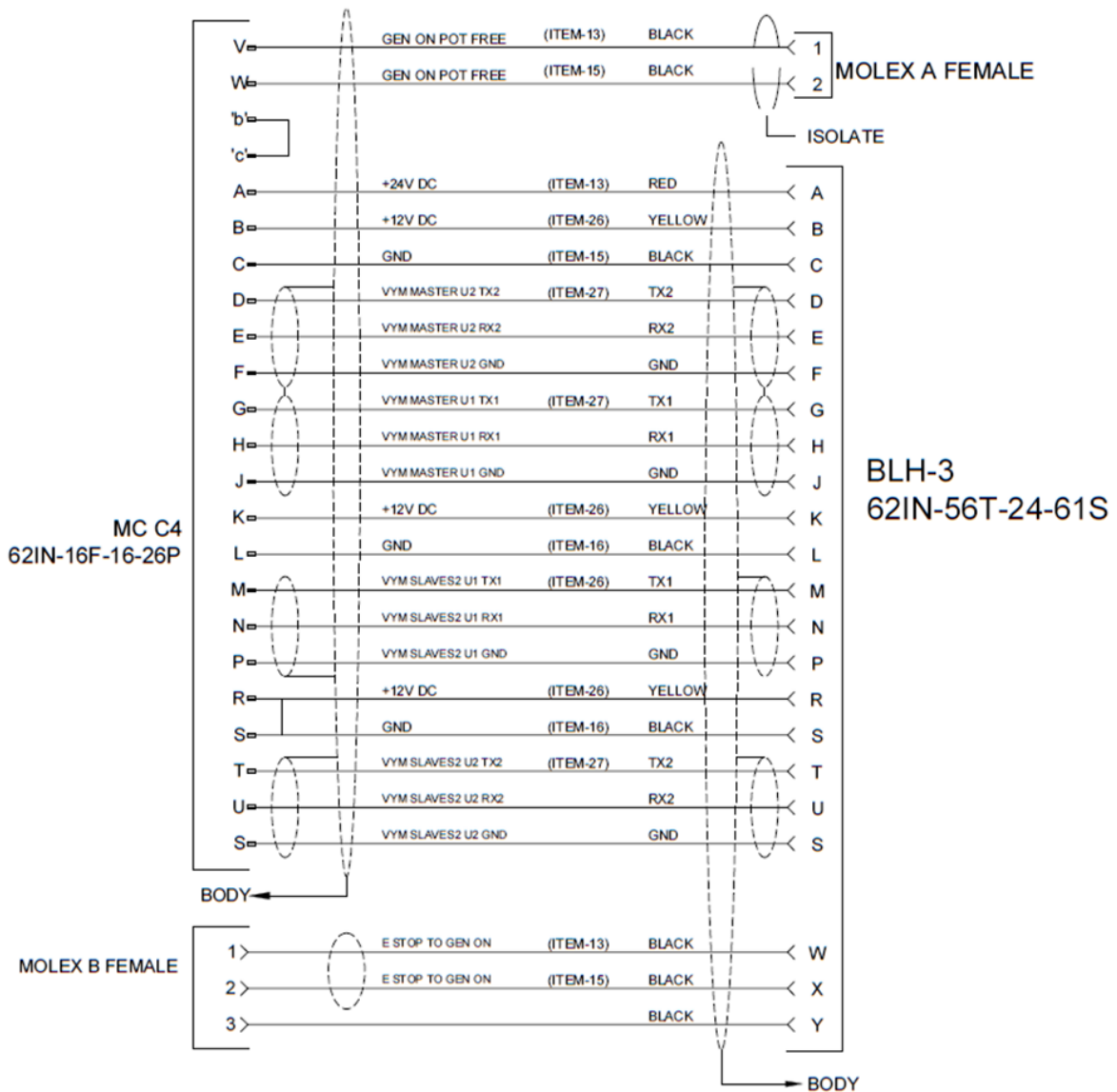
Pin	Signal	Wire Color
1	GEN ON POT FREE	Black
2	GEN ON POT FREE	Black

C) Molex B Female (3-pin)

Pin	Signal	Wire Color
1	E-STOP to GEN ON	Black
2	E-STOP to GEN ON	Black
3	GND	Black



WIRING DIAGRAM



Key Features

- Full routing of **power, serial buses, and safety controls**.
- Breakouts to Molex connectors for generator ON/OFF and E-Stop.
- Shield continuity for noise suppression.
- Built for rugged test and validation environments.

Applications

- VAM test and subsystem validation.
- Generator ON/OFF and E-Stop test harness.
- UXOR Main Controller integration and diagnostics.