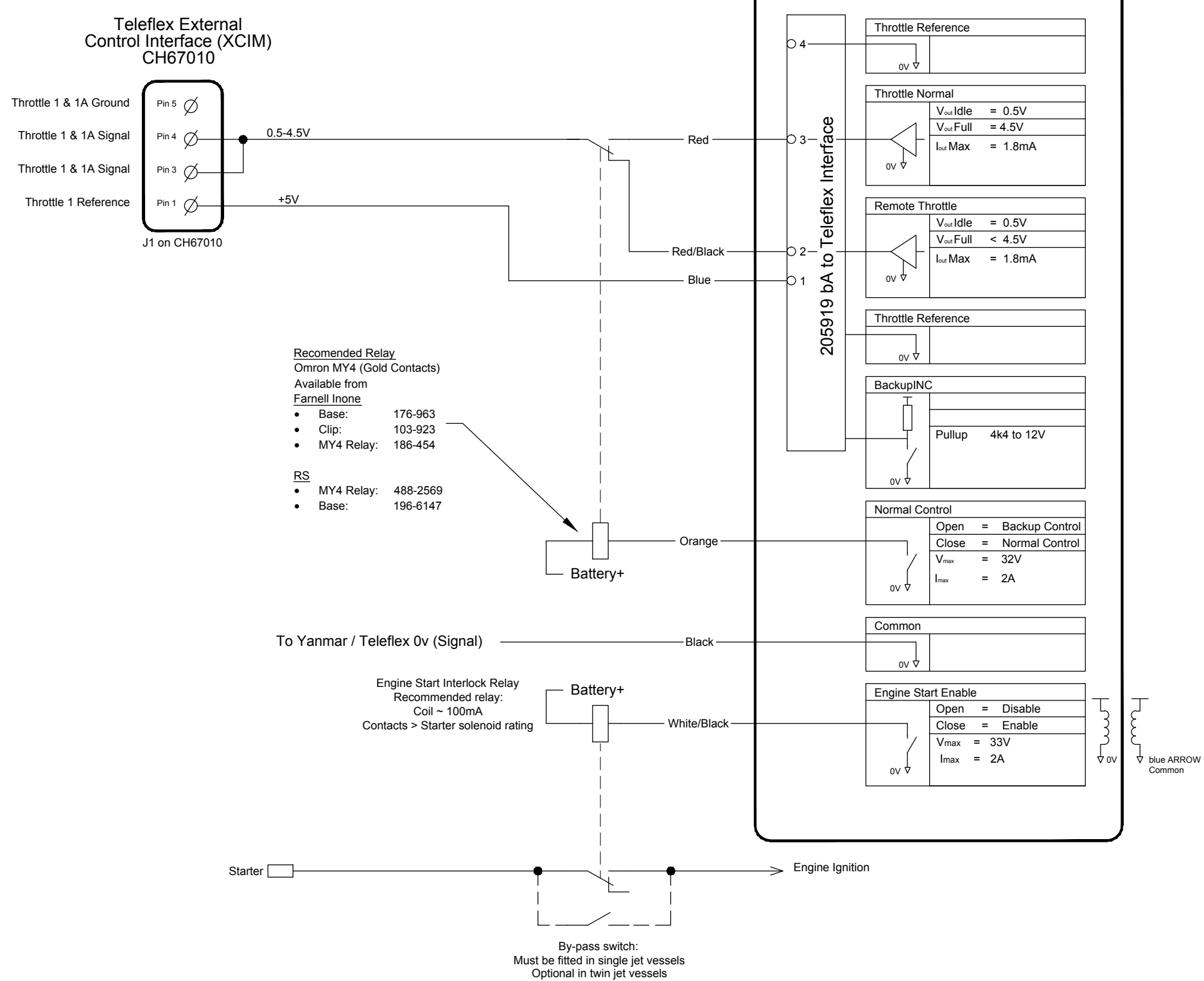



blue ARROW  
Engine Interface Module



Make	Model	Feedback Type	Demand Type	Min RPM	Max RPM	Volt Min (mV x 10)	Volt Max (mV x 10)	Eng Dmd Mode	Eng Dmd Low	Eng Dmd High
Yanmar	6LY3-STP	Jet	Voltage	700#	3300#	5	46	Voltage	1330*	12300*
Yanmar	6SY-STP	Jet	Voltage	#	2300#	5	46	Voltage	1330*	12300*
Yanmar	6BY260	Jet	Voltage	#	4000#	5	46	Voltage	1330*	12300*

\* Initial values only. Adjust values during installation to achieve correct level.  
 # Engine RPM is affected by specific waterjet selection. If gearbox fitted, adjust to give jet shaft RPM.



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CHANGE SUMMARY - REFER TO E.C.N. FOR DETAILS				MANUFACTURING INFORMATION		DRAWING INFORMATION	
REVISION: <b>D</b> ECN: <b>21855</b>				MATERIAL:		<b>blue ARROW ENGINE SCHEMATIC H CONFIGURATION</b>	
SHEET 3 ADDED				STANDARD:			
				MAT CERT REQ: TRACEABILITY REQ:			
				FINISHED WEIGHT:		JET / CONTROL TYPE: <b>bA</b>	
DESIGN CHECK:	<b>A.P</b>	<b>28.08.13</b>	SIGN.	REMOVE ALL SHARP EDGES AND BURRS		DRAWN TO HAMJET 085195	
DRAWING REVISION:	<b>S.S</b>	<b>28.08.13</b>	SIGN.			PROJECTION:	
DOCUMENT CHECK:	<b>R.T</b>	<b>28.08.13</b>	SIGN.	UNTOLERANCED DIMENSIONS & SURFACE FINISH		SCALE: <b>NTS</b>	
ORIGINAL DESIGN:	<b>R.L</b>	<b>22.01.07</b>	SIGN.			GENERAL: HOLES: ANGULAR:	
				MACHINED SURFACE FINISH:		DWG No: <b>205953</b>	
						REV: <b>D</b>	

NOTE: Throttle input location MUST be programmed by distributor or dealer, end user or installer cannot change.

EIM Engine Cable

blue ARROW  
Engine Interface Module

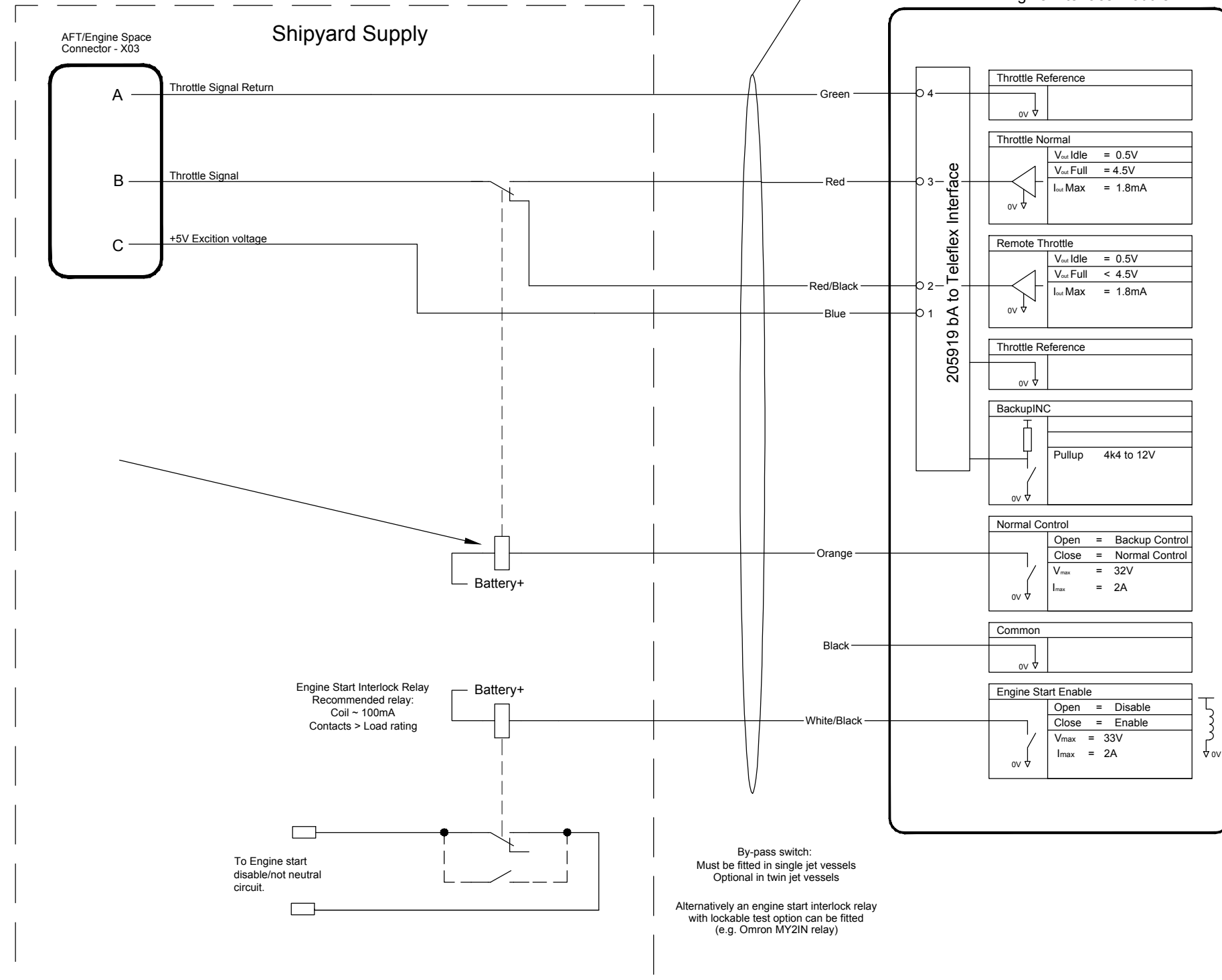
DELPHI Connector.  
Body, 12020827.  
Seals (x3), 12015323.  
Terminals (x3), 12124582

Recommended Relay  
Omron MY4 (Gold Contacts)  
Available from  
Farnell Inone

- Base: 176-963
- Clip: 103-923
- MY4 Relay: 186-454

RS

- MY4 Relay: 488-2569
- Base: 196-6147



Make	Model	Feedback Type	Demand Type	Min RPM	Max RPM	Volt Min (mV x 10)	Volt Max (mV x 10)	Backup Demand Type	Eng Dmd Low	Eng Dmd High
John Deere Marine	T2/T3 Electronic	Jet	Voltage	#	##	10	40	Voltage	1400*	11000*

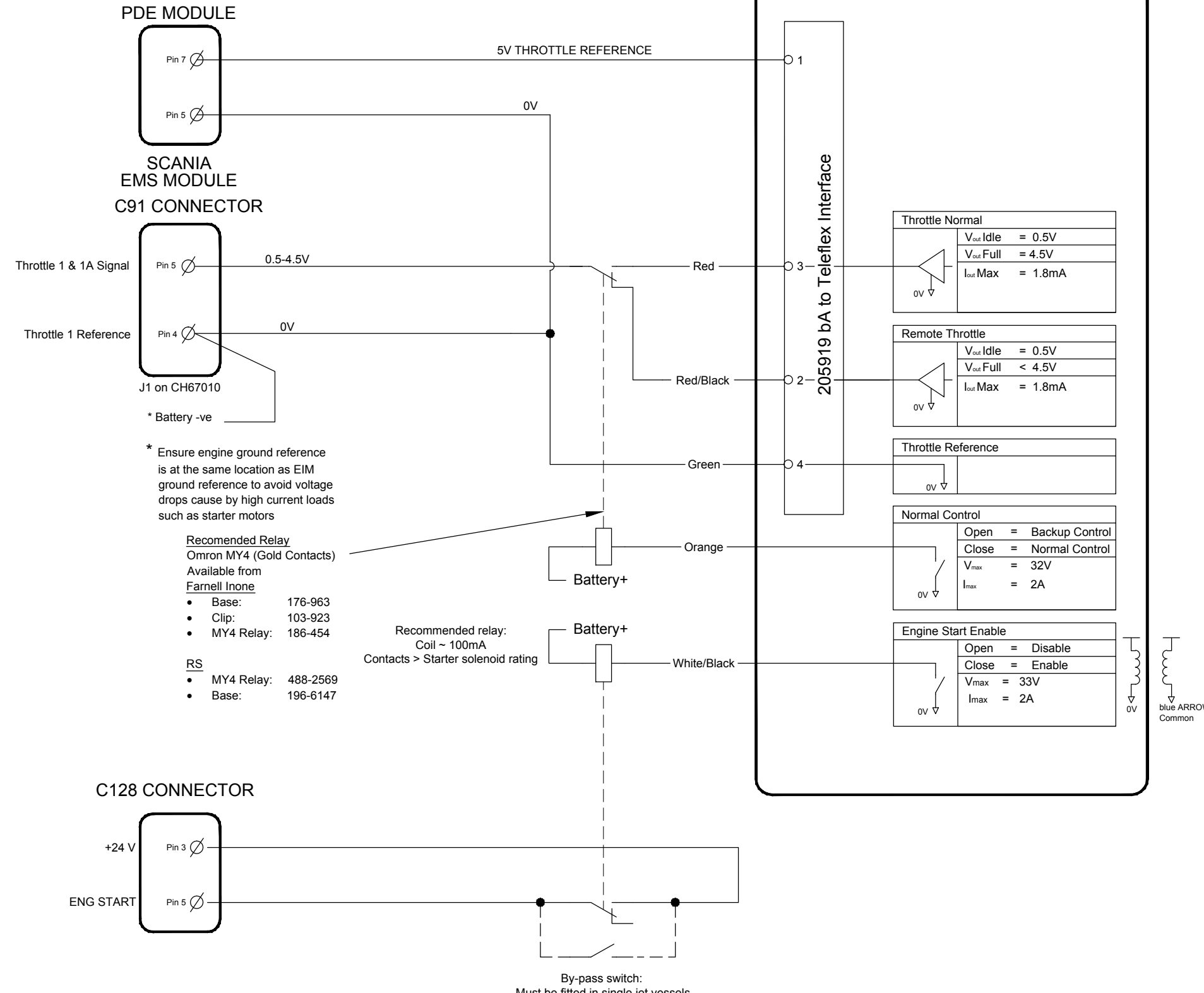
\* Adjust Eng Dmd Low & Eng Dmd High value to obtain correct voltage range with bA in backup.  
# & ## These are Jet shaft RPM so allow for gearbox ratio when setting idle and max RPM.



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CHANGE SUMMARY - REFER TO E.C.N. FOR DETAILS				MANUFACTURING INFORMATION				DRAWING INFORMATION			
REVISION: D E.C.N: 21855				MATERIAL:				<b>blue ARROW ENGINE SCHEMATIC H CONFIGURATION</b>			
SHEET 3 ADDED				STANDARD:							
				MAT CERT REQ: TRACEABILITY REQ:				JET / CONTROL TYPE: bA			
DESIGN CHECK: A.P 28.08.13				SIGN: [Signature]				ALL DIMENSIONS IN [mm] UNLESS OTHERWISE SPECIFIED			
DRAWING REVISION: S.S 28.08.13				SIGN: [Signature]				REMOVE ALL SHARP EDGES AND BURRS			
DOCUMENT CHECK: R.T 28.08.13				SIGN: [Signature]				UNTOLERANCED DIMENSIONS & SURFACE FINISH			
ORIGINAL DESIGN: R.L 22.01.07				SIGN: [Signature]				GENERAL: HOLES: ANGULAR:			
				MACHINED SURFACE FINISH:				SCALE: NTS SHEET SIZE: A3 2 OF 3			
								DWG No: 205953 REV: D			

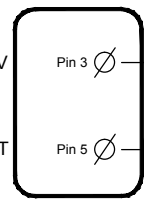
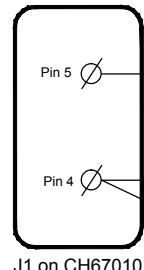
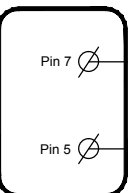
blue ARROW  
Engine Interface Module



PDE MODULE

SCANIA  
EMS MODULE  
C91 CONNECTOR

C128 CONNECTOR



\* Battery -ve  
\* Ensure engine ground reference is at the same location as EIM ground reference to avoid voltage drops cause by high current loads such as starter motors

- Recommended Relay**  
Omron MY4 (Gold Contacts)  
Available from Farnell Inone
- Base: 176-963
  - Clip: 103-923
  - MY4 Relay: 186-454
- RS**
- MY4 Relay: 488-2569
  - Base: 196-6147

Recommended relay:  
Coil ~ 100mA  
Contacts > Starter solenoid rating

By-pass switch:  
Must be fitted in single jet vessels  
Optional in twin jet vessels

Alternatively an engine start interlock relay with lockable test option can be fitted (e.g. Omron MY2IN relay)

Make	Model	Feedback Type	Demand Type	Min RPM	Max RPM	Volt Min (mV x 10)	Volt Max (mV x 10)	Eng Dmd Mode	Eng Dmd Low	Eng Dmd High
SCANIA	DI-13_077M	Jet	Voltage	650#	2300#	5	46	Voltage	1300*	12300*

\* Initial values only. Adjust values during installation to achieve correct level.  
# Engine RPM is affected by specific waterjet selection. If gearbox fitted, adjust to give jet shaft RPM.



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CHANGE SUMMARY - REFER TO E.C.N. FOR DETAILS				MANUFACTURING INFORMATION		DRAWING INFORMATION	
REVISION: <b>D</b> E.C.N: <b>21855</b>				MATERIAL:		<b>blue ARROW</b>	
<b>SHEET 3 ADDED</b>				STANDARD:		<b>ENGINE SCHEMATIC H</b>	
				MAT CERT REQ: TRACEABILITY REQ:		<b>CONFIGURATION</b>	
				FINISHED WEIGHT:		JET / CONTROL TYPE: <b>bA</b>	
DESIGN CHECK:	<b>A.P</b>	<b>28.08.13</b>	SIGN.	<b>ALL DIMENSIONS IN [mm] UNLESS OTHERWISE SPECIFIED</b>		DRAWN TO HAMJET 085195	
DRAWING REVISION:	<b>S.S</b>	<b>28.08.13</b>	SIGN.	<b>REMOVE ALL SHARP EDGES AND BURRS</b>		PROJECTION:	
DOCUMENT CHECK:	<b>R.T</b>	<b>28.08.13</b>	SIGN.	<b>UNTOLERANCED DIMENSIONS &amp; SURFACE FINISH</b>		SCALE: <b>NTS</b>	
ORIGINAL DESIGN:	<b>R.L</b>	<b>22.01.07</b>	SIGN.	GENERAL: HOLES: ANGULAR:		SHEET SIZE: <b>A3</b>	
				MACHINED SURFACE FINISH:		DWG No: <b>205953</b>	
						REV: <b>D</b>	