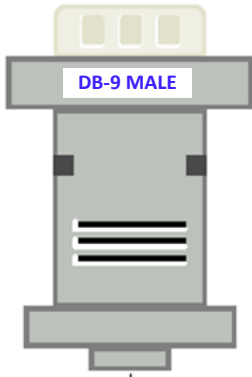


Serial In from Clock

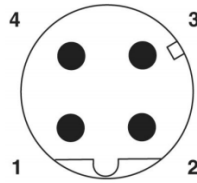


DB-9 Male Cable  
Label End " P3 "

Three (3) Foot  
Cable Length

Ethernet Communications  
M12 Plug, 4 Pole, D-coded Connector

(Plug View)  
(See Connector Dimensions to the Right)

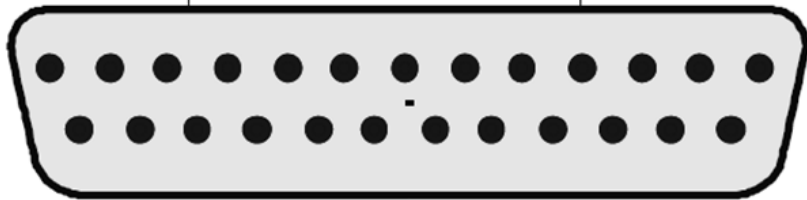


M12 Cable End  
Label " P2 "

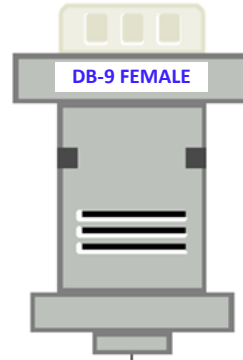
Three (3') Foot  
Cable Length

DB-25 "Y" Cable  
Label End " P1 "

Cable is Ethernet CAT 5E Custom Configuration.



Console Port  
Local Direct Serial Connection

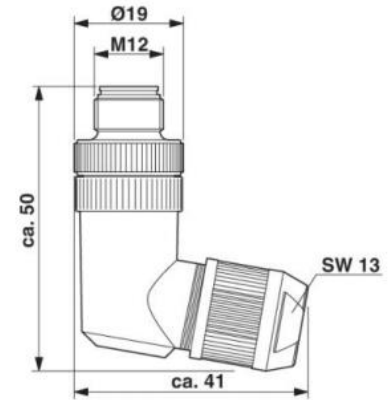


DB-9 Female Cable  
Label End " P4 "

Three (3) Foot  
Cable Length

M12 Plug, 4 Pole, D-coded Connector  
Angled Hood

Phoenix Part Numbers: 1554539, OR 1553624



Radio Interconnection Table					
Tag	DB-25 Male	DB-9 Male	DB-9 Female	M12 Male 4-Pin D-coded	Notes
COM2_TXD	2	2			Serial Input (GPS Data Exp.)
COM2_RXD	3	3			Serial Output
GND	7	5			Serial Ground
ETH_RX_H	16			2	Ethernet PTC Data TX +
ETH_RX_L	17			4	Ethernet PTC Data TX -
ETH_TX_H	14			1	Ethernet PTC Data RX +
ETH_TX_L	15			3	Ethernet PTC Data RX -
GPS_PPS	23	1			1 PPS Signal Input
GND	13		5		Serial Ground
COM1_RXD	24		3		Console
COM1-TXD	25		2		Console

Project Engineer  
Director, SEPTA C&S  
Assistant Chief Engineer-SEPTA C&S

FE Stamp



AMTRAK  
Positive Train Control  
PTC Data Radio / WR44-RR

PREPARED BY: RT  
DRAWN BY: RT  
CHECKED BY: MM  
APPROVED BY: JS

Architecture and Engineering for Positive  
Train Control  
Radio Interconnect Cable

DATE: 2/1/13  
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