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iQ Interface Module - Item Number A528-44-420

1 Introduction

This Amendment describes the details of this iQ Interface Module

2 Cards fitted

The following Interface Card is fitted in this iQ Interface Module:

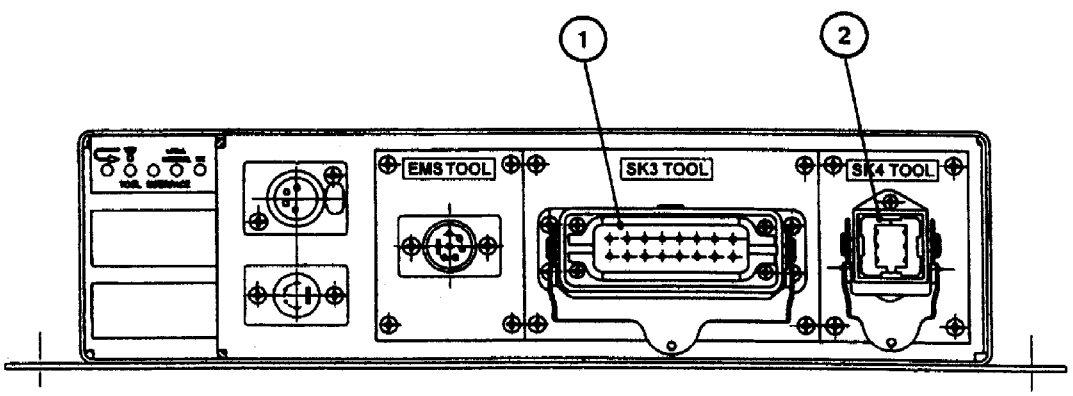
- TIC (Tool Interface Card).

3 Connectors

The connector in Table A1 is fitted to the interface connector panel on this iQ Interface Module:

Connector name/number	Connector type	Figure A1 reference
SK3 Tool	HAN16-F	1
SK4 Tool	STAF6-F	2

Table A1 - Connector types



1. SK3 Tool
2. SK4 Tool

Figure A1 - Interface connector panel

4 Use of connector pins

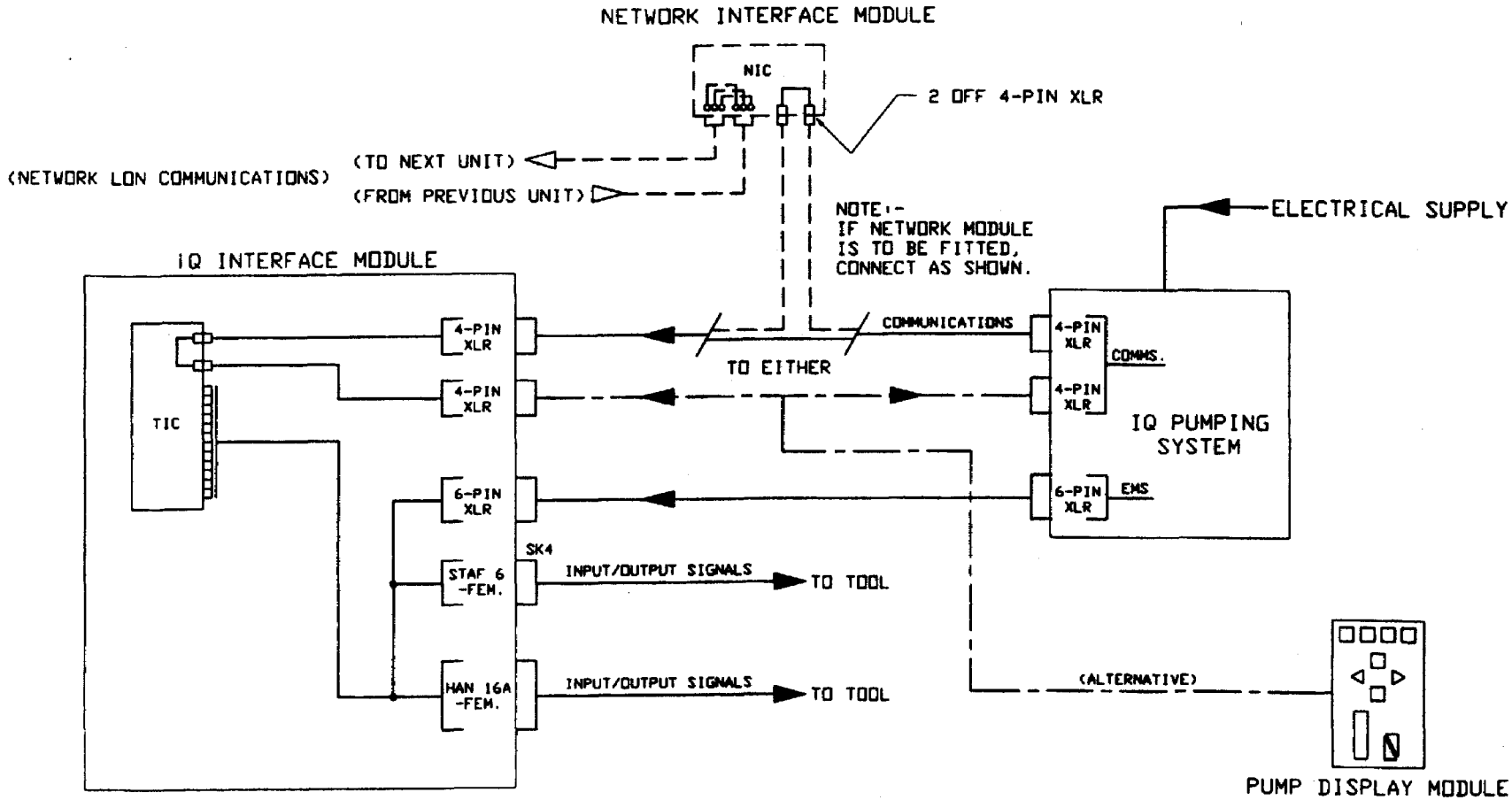
The signals available on the connectors are shown in Tables A2 and A3. Refer to the appropriate sections of this instruction manual for electrical data for the signals available on the Tool Interface Card connectors and for information on the use of the signals.

Pin numbers	Signal	Destination/ Source
1 and 2	EMS output (closed in normal operation)	EMS connector
3 and 4	iQDP pump on volt-free control input	TIC, CH1 PL17
5 and 6	iQDP pump running volt-free status output	TIC, CH1 PL9
7 and 8	iQMB pump on volt-free control input	TIC, CH2 PL17
9 and 10	iQMB pump running volt-free status output	TIC, CH2 PL9
11 and 12	Pumps not in warning volt-free status output	TIC, CH4 PL8
13 and 14	Pumps not in alarm volt-free status output	TIC, CH5 PL7
15 and 16	External EMS input (closed in normal operation)	EMS connector

Table A2 - SK3 Tool connector signals

Pin numbers	Signal	Destination/ Source
1 and 2	Gas flow not in warning volt-free status output	TIC, CH6 PL7
3 and 4	24 V a.c. output	-

Table A3 - SK4 Tool connector signals



Notes

1. The Pump Display Module can be used with the iQ pumping system on its own without external communication.

2. Vacant XLR-4 pin communications connectors must have terminator plugs fitted.

Figure A2 - Schematic diagram of the electrical connections

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