

From: Dale Graves <grda@mbari.org>
Subject: **Fwd: 907 quotes: CRM:0141264**
Date: June 26, 2013 11:11:16 AM PDT
To: Alana Sherman <alana@mbari.org>
Reply-To: Dale Graves <grda@mbari.org>
▶ 10 Attachments, 943 KB

Here is the quote for the focal upgrade. We would go with his page 2 option.
Dale

From: JWilson3@moog.com
To: grda@mbari.org
Sent: Monday, November 26, 2012 12:23:13 PM
Subject: RE: 907 quotes: CRM:0141264

Hi Dale,

Please find quote Q-27968 Rev 1 attached based on our phone conversation.

I have quoted a 907+ and 907-SER solution, with a 907-DIAG-E on the top.

I have provided a sketch with three pages.

1. The first page reflects the items quoted.
2. Page 2 shows the 907+ upgraded with Gigabit Ethernet. I used the 907-GBE in the sketch, but it is not supported by the 907-DIAG-E. The 907-GBE2 is. The 907-GBE is \$3000 list each, and the 907-GBE2 is \$3500 (1G optics) list each. The 907-CWDM is \$3500 list each. So for a 907-GBE + 907-CWDM upgrade you are looking at \$13,000 total price (both ends).
3. Page 3 shows a 907V solution. It provides 6 x analog video, and 16 x serial channels. To go with the solution is \$2500 more than the 907+ quote. The 907V and 907+ are the same price. The additional costs is in adding a 907-SER.

If you have any questions, please give me a call.

Thanks,
Jason

From: Wilson, Jason
Sent: Thursday, November 15, 2012 10:37 AM
To: 'Dale Graves'
Subject: RE: 907 quotes: CRM:0141264

Hi Dale,

Please find quote Q-27698 Rev 0 attached for the requested items.

Thanks,
Jason

From: Dale Graves [<mailto:grda@mbari.org>]
Sent: Tuesday, November 13, 2012 10:08 AM
To: Wilson, Jason
Subject: Re: 907 quotes:

Hi Jason,
Plus the 914 R/C and the 907-DIAG-E.
Thanks,
Dale

From: JWilson3@moog.com
To: grda@mbari.org
Sent: Tuesday, November 13, 2012 4:10:41 AM
Subject: RE: 907 quotes:
Hi Dale,

Sure thing. Just so I am clear. You need pricing on 907-232, 907-SER, 907-CWDM?

Thanks,
Jason

From: Dale Graves [\[mailto:grda@mbari.org\]](mailto:grda@mbari.org)

Sent: Monday, November 12, 2012 11:19 PM

To: Wilson, Jason

Subject: 907 quotes:

Hi Jason,

In regards to our phone conversation last week, will you be able to get me those quotes by the end of this week? I'm trying to see if we have end of the year money to make this purchase or wait until the first of the year.

Thanks,

Dale

Dale Graves

Manufacturing Group Leader

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[Q-27968 R1....pdf \(183 KB\)](#)[Q-27968 R1....pdf \(196 KB\)](#)[907-2009-0...pdf \(81.9 KB\)](#)



[907-2026-0...pdf \(83.7 KB\)](#)

PCB: 907-0325-00
PCBA: 907-0325-XX
CARD: 907-0021-XX

J2: POWER HEADER

F1: 2A SLOW BLO FUSE

D5: RESERVED (UNUSED)

D6: RESERVED (UNUSED)

D2: SERIAL DATA LED

D1: BOARD RESET LED

D7: POWER LED

D4: RJ-45 RX LED

D3: RJ-45 TX LED

D8: OPTICAL SD LED (D8 ON REV. 3+ ONLY)

PROGRAMMING AND DIAGNOSTICS PORT (FACTORY USE)

RJ-45 LINK LED

RJ-45 1000BASE-T LED

ST-ST BUSHING

OPTICAL RX

SFP TRANSCEIVER

J3: RJ-45 (10/100/1000 Mbps)

RJ-45 LINK LED

1000BASE-T LED

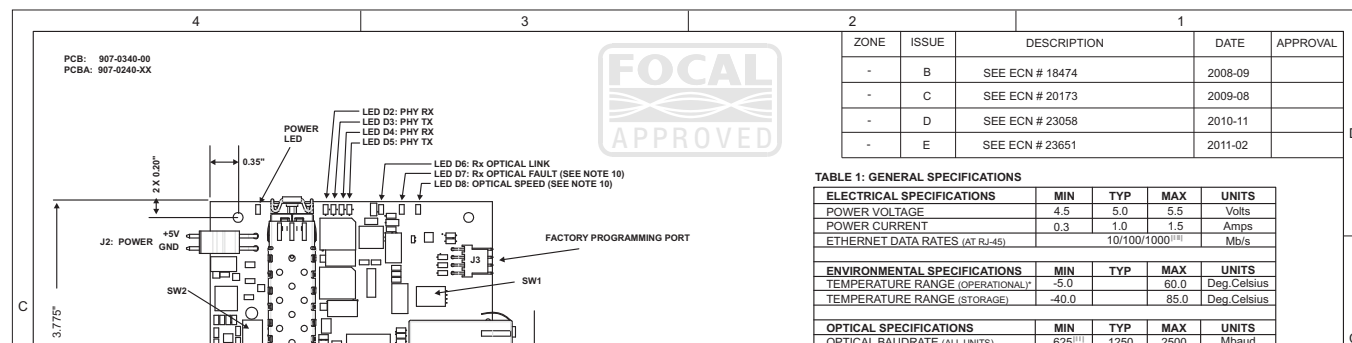
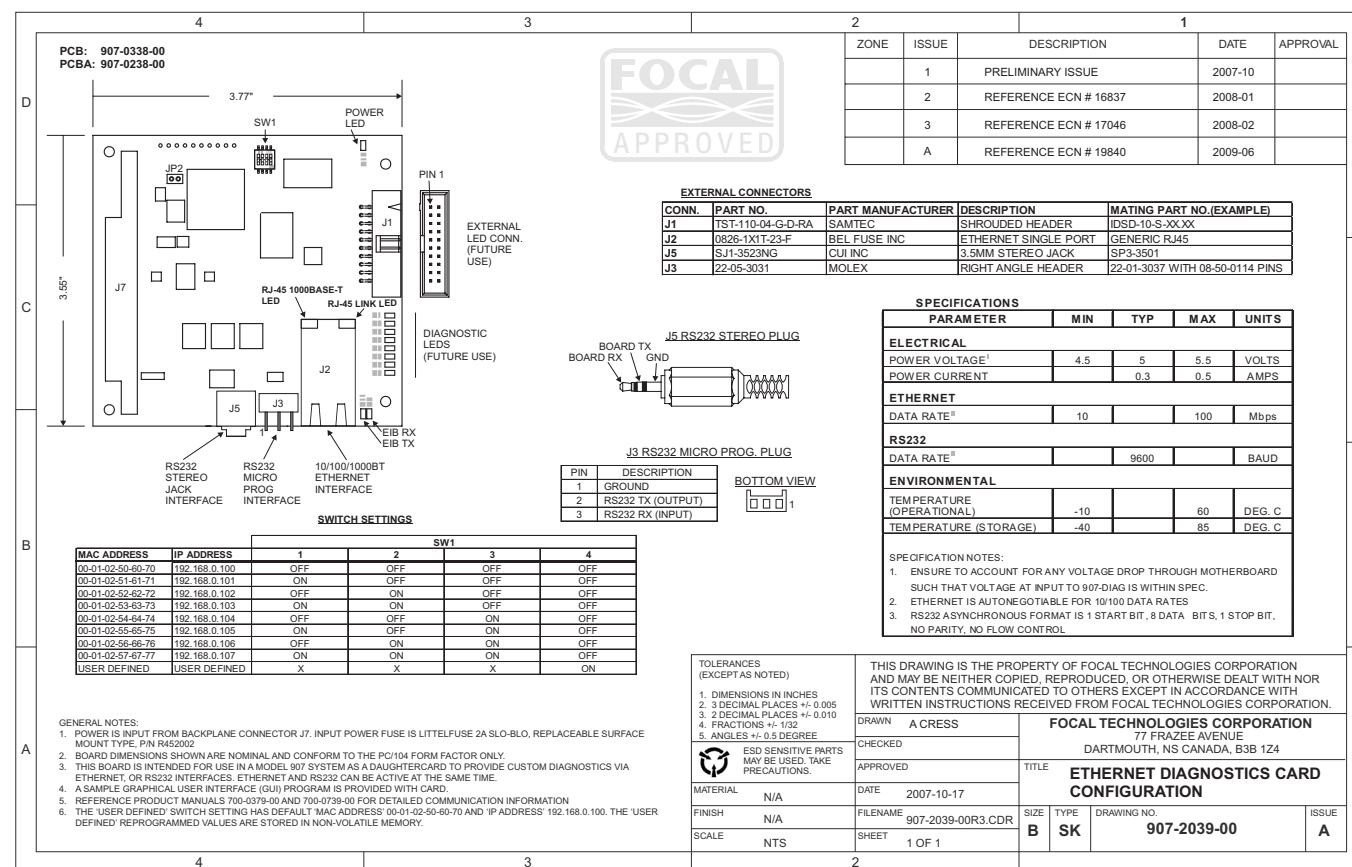
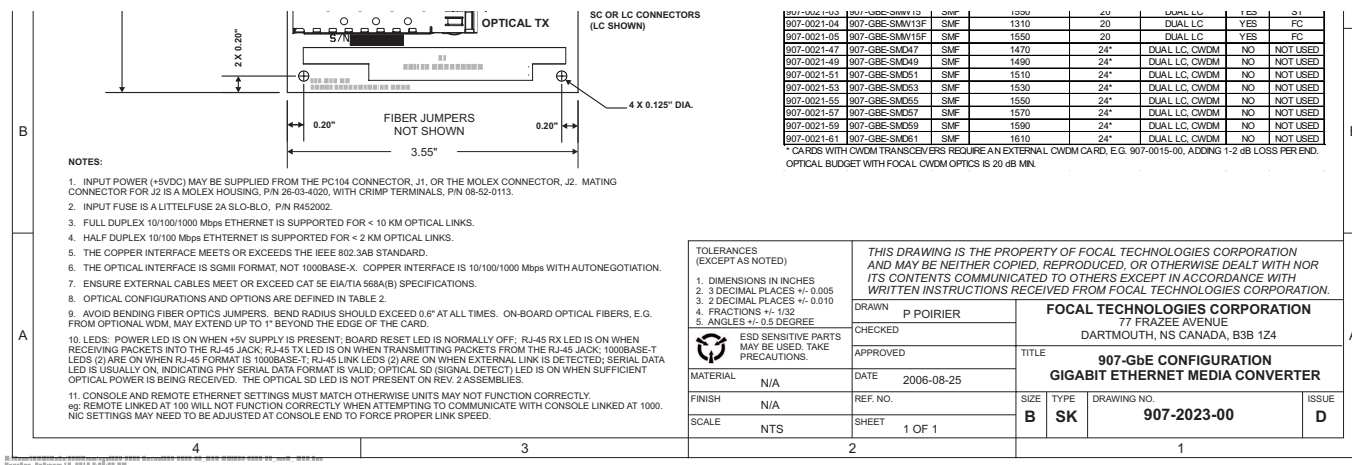
OPTIONAL 1310/1550 nm WDM

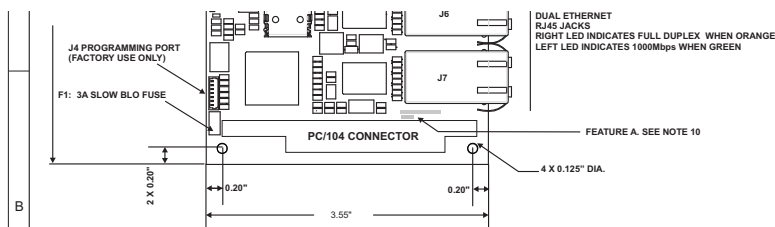
ZONE	ISSUE	DESCRIPTION	DATE	APPROVAL
ALL	B	ECN# 14717	2007-02	
ALL	C	ECN# 16801	2008-01	
ALL	D	ECN# 21390	2010-02	

TABLE 1: GENERAL SPECIFICATIONS					
		MIN	TYP	MAX	UNITS
ELECTRICAL SPECIFICATIONS					
POWER VOLTAGE		4.5	5.0	5.5	Volts
POWER CURRENT			0.8	1.6	Amps
ETHERNET DATA RATES (AT RJ-45)			10, 100, 1000		Mbps
ENVIRONMENTAL SPECIFICATIONS					
TEMPERATURE RANGE (OPERATIONAL)*		-5.0		60.0	Deg. Celsius
TEMPERATURE RANGE (STORAGE)		-40.0		85.0	Deg. Celsius
OPTICAL SPECIFICATIONS					
OPTICAL BAUDRATE (ALL UNITS)			1250		Mbaud
OPTICAL WAVELENGTH**			850, 1310/1550, CWDM (1470-1610)		nm

* EXTENDED TEMPERATURE OPTIONS AVAILABLE
** WAVELENGTH IS SPECIFIED BY FULL PART NUMBER

TABLE 2: OPTICAL CONFIGURATIONS							
PART NUMBER	CARD ID	FIBER TYPE	TX NOMINAL WAVELENGTH (nm)	MIN. OPTICAL BUDGET (dB)	TRANSCEIVER TYPE	WDM	ACCESS BUSHING
907-0021-00	907-GBE-SMB13	SMF	1310	16	BID (SC OR LC)	NO	NOT USED
907-0021-01	907-GBE-SMB15	SMF	1550	16	BID (SC OR LC)	NO	NOT USED
907-0021-02	907-GBE-SMW13	SMF	1310	20	DUAL LC	YES	ST





NOTES:

1. INPUT POWER (+5VDC) MAY BE SUPPLIED FROM THE PC104 CONNECTOR, J6, OR THE MOLEX CONNECTOR, J2. MATING CONNECTOR FOR J2 IS A MOLEX HOUSING, PN 26-03-02-02, WITH CRIMP TERMINALS, PN 08-52-0113.
2. F1 INPUT FUSE IS A LITTELFUSE 3A SLO-BLO, PN RA425003. F1 PROTECTS FROM OVER CURRENT DRAW FROM DAUGHTER CARDS. F2 INPUT FUSE IS A LITTELFUSE 3A SLO-BLO, PN RA425005. F2 PROTECTS FROM OVER CURRENT DRAW FROM ON BOARD COMPONENTS AS WELL AS DAUGHTER CARDS. F2 IS FOUND ON THE PCB BOTTOMSIDE.
3. THE COPPER INTERFACE MEETS OR EXCEEDS THE IEEE 802.3AB STANDARD.
4. ENSURE EXTERNAL CABLES MEET OR EXCEED CAT 5E (10/100/1000) SPECIFICATIONS.
5. OPTICAL CONFIGURATIONS AND OPTIONS ARE DEFINED IN TABLE 2.
6. 0.01% OF BANDWIDTH IS USED FOR DIAGNOSTICS, AVAILABLE THROUGH 907-0238-00 DIAGNOSTICS CARD.
7. INDICATOR LED D6 IS GREEN WHEN OPTICAL LINK IS PRESENT.
8. INDICATOR LED D7 IS RED WHEN OPTICAL ERRORS ARE RECEIVED.
9. INDICATOR LED D8 INDICATES OPTICAL LINK CONNECTION SPEED. GREEN = 2.5Gbaud, OFF = 1.25Gbaud OR 625Mb/s (CHECK SWITCH 1 SETTINGS).
10. ONLY APPLICABLE TO REVISION 2 AND NEWER ASSEMBLIES. SEE FEATURE "A".
11. ONLY APPLICABLE TO REVISION 2 AND NEWER ASSEMBLIES WITH CODE REVISION "D" AND NEWER. USE DIAGNOSTICS TO DETERMINE THE CODE REVISION.
12. ONLY APPLICABLE TO REVISION 2. CODE REV A1 AND NEWER ALL PREVIOUS REVISIONS ARE 1000BASE-T ONLY. USE DIAGNOSTICS TO DETERMINE.

OPTICAL WAVELENGTH **	850.1310/1550.CWDM [1550-1550]	nm
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* EXTENDED TEMPERATURE OPTIONS AVAILABLE
** WAVELENGTH IS SPECIFIED BY FULL PART NUMBER

TABLE 2: SWITCH 1 CONFIGURATION SETTINGS

[illegible]

TABLE 3: SWITCH 2 CONFIGURATION SETTINGS

[illegible]TOLERANCES
(EXCEPT AS NOTED)

ESD SENSITIVE PART
MAY BE USED. TAKE
PRECAUTIONS.

MATERIAL	N/A
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FINISH	0.000
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	N/A
SCALE	

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DRAWN R. MCDONALD

CHECKED

APPROVED

DATE	2008 MAY 21
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REF. NO.

FOCAL TECHNOLOGIES CORPORATION
77 FRAZEE AVENUE
DARTMOUTH, NS CANADA, B3B 1Z4

DUAL GbE MEDIA CONVERTER CONFIGURATION

SIZE	TYPE	DRAWING NO
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ISSUE



[907-2047-0...pdf \(76.0 KB\)](#)[907-2035-0...pdf \(79.8 KB\)](#)[907-2036-0...pdf \(82.6 KB\)](#)