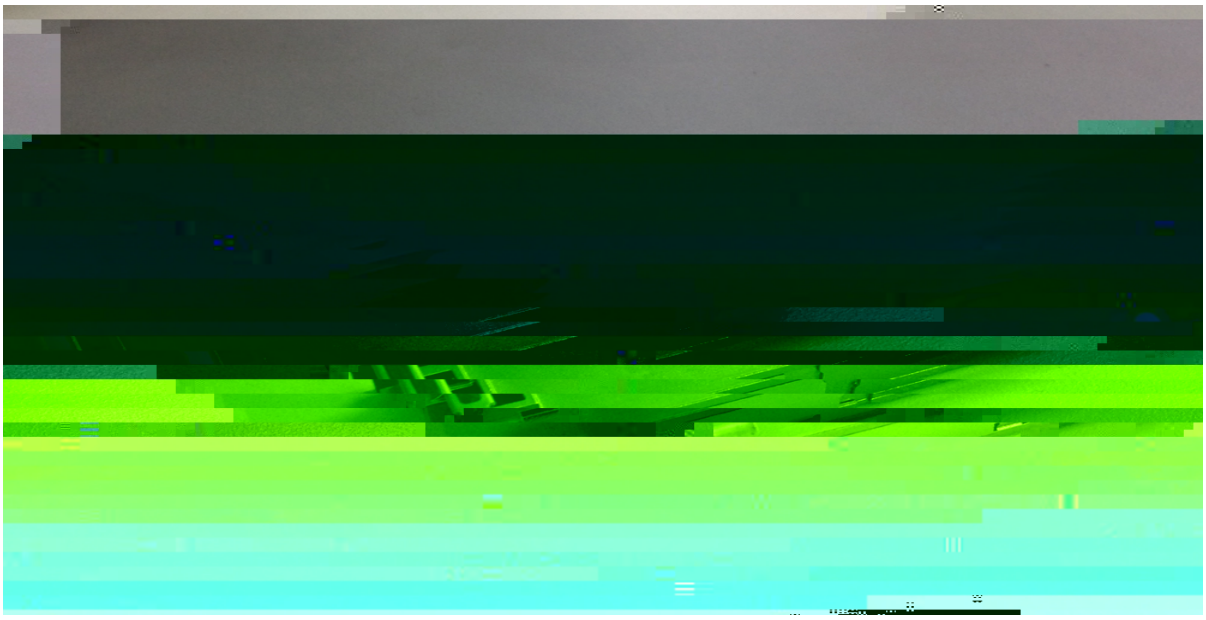
100G / CFP4 O (

RTXM290-701



F

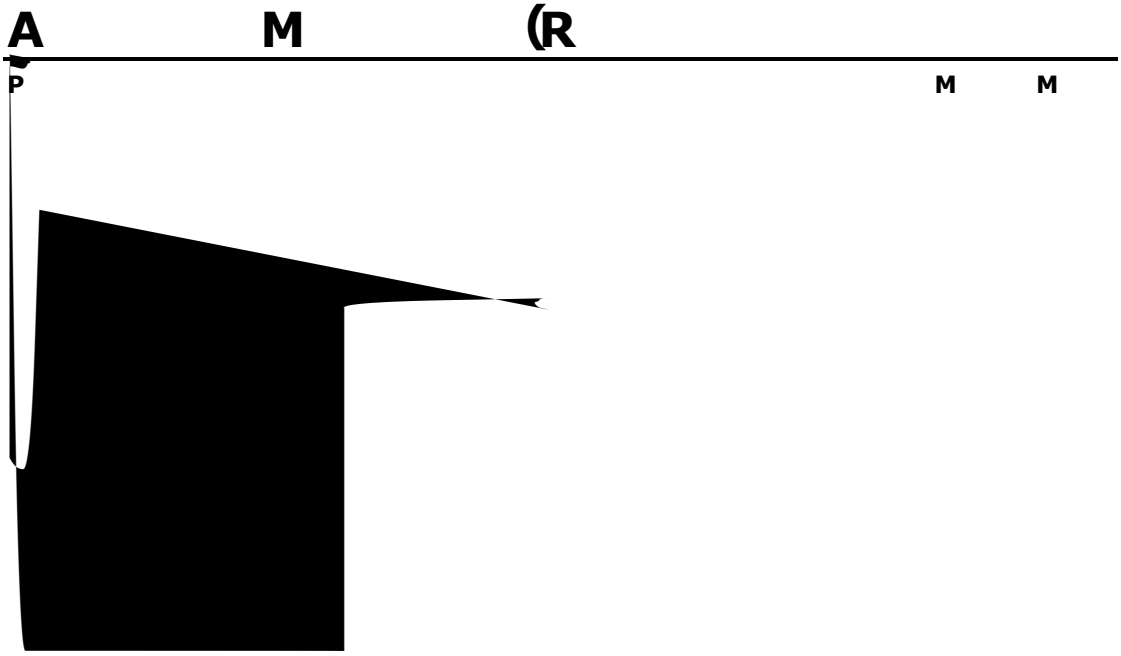
- *Direct LC receptacle optical interface*
- *Single +3.3V power supply*
- *Hot-pluggable*
- *Operating optical data rate up to 112Gbps*
- *Operating electrical serial data rate up to 28Gbps*
- *10 parallel electrical serial interface*
- *Transmission distance up to 10km*
- *AC coupling of CML signals*
- *1310 nm window cooled EA-DFB LD*
- *PIN ROSA*
- *Low power dissipation(Max:6W)*
- *Built in digital diagnostic function*
- *Operating case temperature range:0℃ to 70℃*
- *Compliant with RoHs*
- *MDIO Communication Interface*

A (

- *OTN-OTU4*
- *Switch to switch interface*
- *Switch to rounter interface*
- *P to P Acess Network*

8

- *Compliant with IEEE 802.3ba*
- *Compliant with CFP4 MSA hardware specification,Version0.1 March 02,2014*
- *Compliant with CFP MSA management specification, Version2.2July 01, 2013*
- *Compliant with ITU-T G.959.1 4I1-9D1F*
- *Compliant with RoHS&WEEE*



I H		1.2 IH		0.84	1.5	
I		1.2 I		-0.3	0.36	
I C		1.2II	A	-100	+100	
H		1.2 H		1.0	1.5	
		1.2		-0.3	0.2	
H C		1.2I H	A		-4	
C		1.2I	A	+4		
I C		C	F		10	
C						
E （100G E）			G	-	25.78125	
E （ 4）					27.95249	
F		λ1		1294.53	1295.56	1296.59
		λ2		1299.02	1300.05	1301.09
		λ3		1303.54	1304.58	1305.63
		λ4		1308.09	1309.14	1310.19
			B	30	-	
A			B	-	10.5	
A E (100G E) A E (4)			B	-4.3	+4.5	2

A E		
A	B	-12
D -	B -19	
H	B	

13 18	G B A DI	G A	I	3.3 & C		A	

D I					A DI & . DI

CFP N R1

CF 1

H A		A	B		C (HE)	B
B ID I						
[redacted]						/A
						/A
						/A
						/A

809A	2		7 0	A 1 . H		
809C	2		7 0	A 1 .		
809E	2		7 0	A 1 . A		
80A0	2		7 0	A 2 . H A		
80A2	2		7 0	A 2 . H		

				0 15		

CFP N R4

H A		A	B		C (HE)	B
B ID I						
8180	1		7 0	CF 3 C		
8181	127		7 1			

CFP R1

H A		A	B		C (HE)	B
C /						
A000	2		15 0			
A002	2		15 0			
A004	1			**N R A C**		
			8 6 4			

			11	G C 2 C		
			10	G C 1 C		
			9	G B A		
			8 6			
			5	DI		
			4	D		
			3	G C 3		

G C 3

			9	9 F		
			8	8 F		
			7	7 F		
			6	6 F		
			5	5 F		

			1	A B		
			0	A B A		
A020	1			**M A (** **2**		

15 8

		/ H/C	4	A		

CFP N L R1

N L R1

				1			
H A			B			C (HE)	B
			N L FA R				
A200	16			**N L A**			
			15	B H A			
			14	B H			

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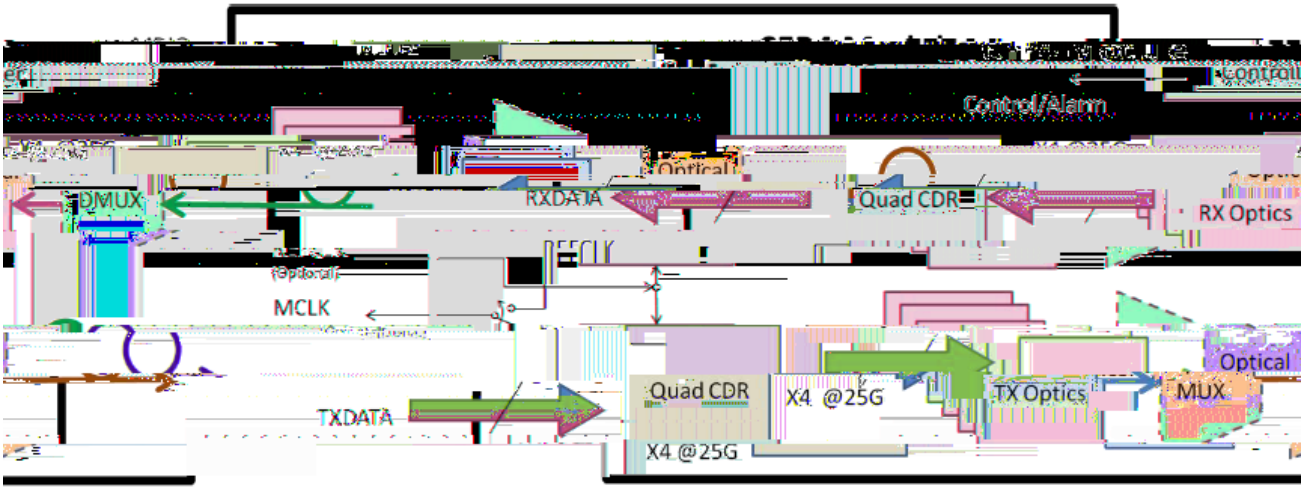
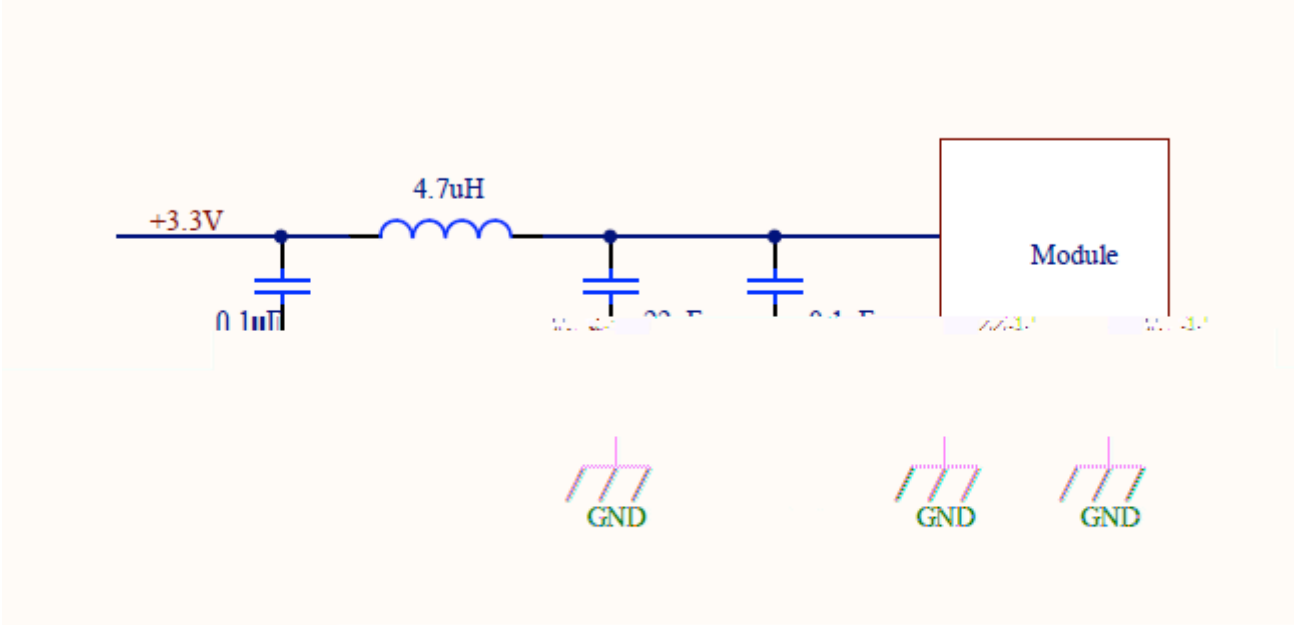
A410	16			**H L F L**		
			15 2			
		/ H/C	1	FIF E		
		/ H/C	0	H		
H L FA E R (						
A420	16			**H L F E**		
			15 2			
			1	FIF E E		
			0	H E		
H L D PRB R (						
A430	16			**H L PRB E C**		
			15 10	E		

B (


Control/Alarm
DMUX
RXDATA
Quad CDR
RX Optics
MCLK
Optical
Quad CDR
X4 @25G
TX Optics
MUX
TXDATA
X4 @25G

R H B C


+3.3V
4.7uH
Module
GND
GND
GND

	CD H 21-CF 1040 C 1
	-G
	CE

O I

P N D **A C**