

QSFP-40G-ADAC12M-LEG  
40GBASE-CU QSFP+  
12M DAC ACTIVE



**QSFP-H40G-ACU7M-LEG**  
40Gbase QSFP+ DAC

**Features**

- Full duplex 4 channel parallel passive optical cable
- 1G to 10.5 Gbps data rate per channel
- Support hot-pluggable
- Available in lengths of 1, 3, and 5m
- 360 degree cabl braid crimp and enhanced EMI skirt
- Low insertion loss and low crosstalk
- Single 3.3V power supply
- RoHS Compliant and Lead-Free
- Compliant with IEEE802.3ba
- Compliant with QSFP+ MSA: SFF-8436

**Product Description**

Legrand active copper cables designed with high performance, low power consumption, long reach interconnect solution supporting 40G Ethernet, fiber channel and NIC cards. It is compliant with the QSFP MSA and IEEE P802.3ba.

Active copper cable is an assembly of 4full-duplex lanes, where each lane is capable of transmitting data at rates up to 10Gb/s, providing an aggregated rate of 40Gb/s.



### Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit	Note
Storage Temperature	TS	-40	85	°C	
Relative Humidity	RH	0	85	%	
Supply Voltage	Vcc	-0.5	4.0	V	

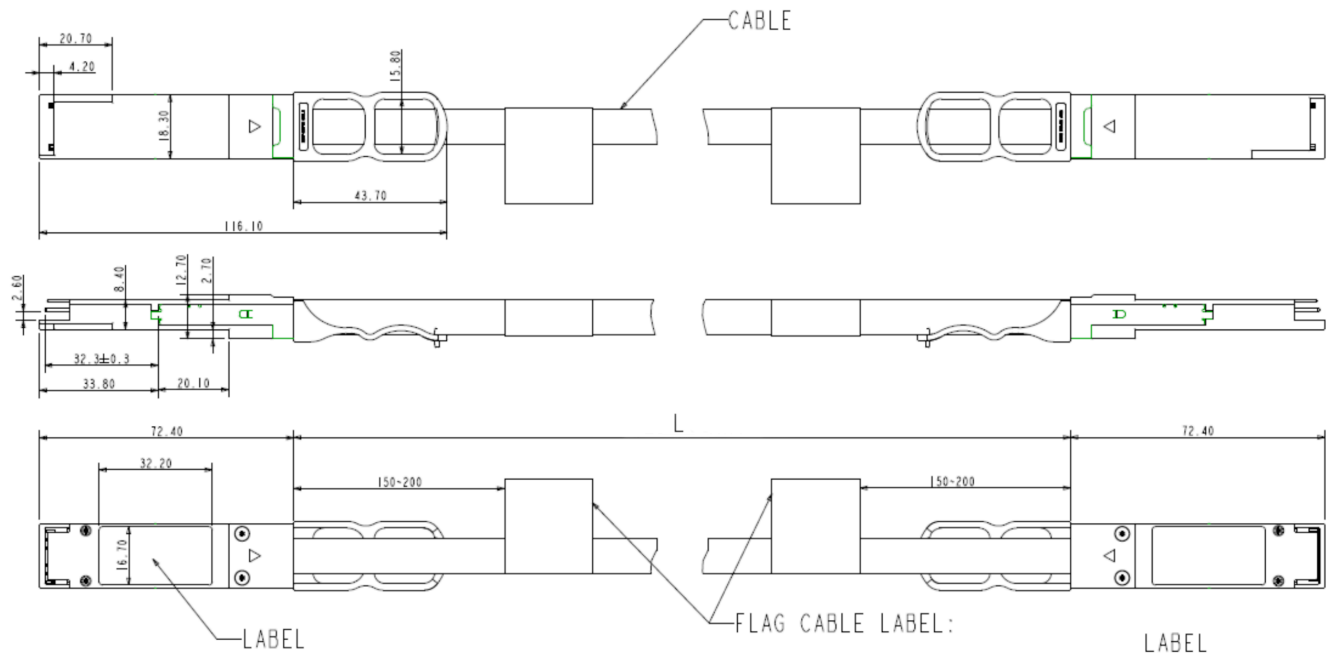
### Recommended Operating Conditions

Parameter	Symbol	Min	Typ	Max	Unit
Power Supply Voltage	Vcc	3.13	3.30	3.47	V
Power Supply Current	Icc			200	mA
Case Operating Temperature	Tc	0		+70	°C
Data Rate, each Lane				10.5	Gbps
Bit Error Rate	BER			10 <sup>-12</sup>	

### Electrical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
Data Rate	BR	1	10.3	10.5	Gbps
Transmitter					
TX Input Diff Voltage	Vi	100		1000	mV
Tx Input Diff Impedance	Zi	80	100	120	Ω
Receiver					
Rx Output Diff Voltage	Vo		600	800	mV
Rx Output Diff Impedance	Zo	80	100	120	Ω

## Mechanical Specifications



### Data Communications

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