

FEATURES

- **DESIGNED FOR SONET/SDH/ATM SYSTEMS**
- **REFLOW SOLDERABLE SMT PACKAGE**
- **COMPACT SIZE:**
26 x 10 x 3 (mm)
- **LOW POWER CONSUMPTION:**
0.3 W TYP
- **SINGLE +3.3 V POWER SUPPLY:**
- **WIDE OPERATING TEMPERATURE RANGE:**
OD-J6863-0A01: 0 to 65°C
OD-J6863-HA01: -40 to 85°C

MAJOR PERFORMANCE

- **DATA RATE:**
622.08 Mbps (STM-4, OC-12)
- **P-ECL SIGNAL LOGIC INTERFACE**
- **ALARM FUNCTIONS:**
Optical input down alarm
- **PLL CLOCK RECOVERY**

APPLICATIONS

- **TELECOMMUNICATIONS NETWORKS**
SONET OC-12 SR/IR LR-1/LR-2/LR-3
Interface Compatible
ITU-T Recommendation G.957 I-4/S-4.1/L-4.1/L-4.2/L-4.3
Interface Compatible

PERFORMANCE CHARACTERISTICS

Parameter	Performance
Transmission Speed	622.08 Mbps
Data Format	Scrambled NRZ (External Scrambler is Required)
Pigtail Fiber (Separate order is necessary)	SMF Pigtail length: 550 mm each Optical Connector: SC, FC, MUJ
Input Optical Interface	Sensitivity: -28 dBm MAX Overload: -8 dBm MIN
Bit Error Rate	1 x 10 ⁻¹⁰ MAX
Output Electrical Interface	Data: P-ECL Clock: P-ECL
Applicable Transmission Fiber Cables	SMF (SI-10/125)
Ambient Temperature	0 to 65°C: OD-J6863-0A01 -40 to 85°C: OD-J6863-HA01
Relative Humidity	30 to 80 % RH (Non-condense Condition)
Power Supply Voltage	DC: +3.3 V
Power Consumption	0.3 W TYP
Dimensions (Refer to Outline Dimensions)	26 x 10 x 3 (mm)
Alarm Functions	Optical input down alarm Signal Interface: LV-TTL

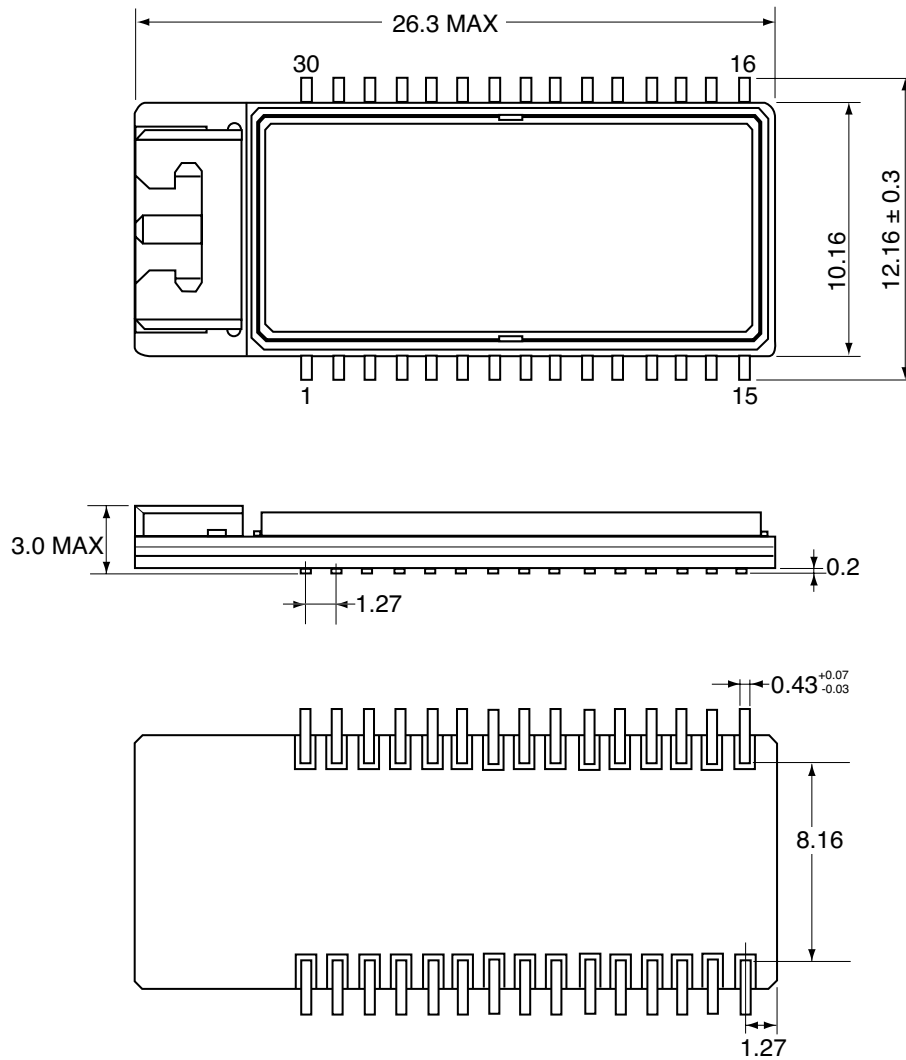
PIGTAIL ORDERING INFORMATION¹

Pigtail Optical Connector	Pigtail Part Number
SC	OD-S524-SC-SM
FC	OD-S524-FCPC-SM
MUJ	OD-S524-MUJ-SM

Note:

1. Pigtail fiber is not included with the product. Separate order is necessary.

OUTLINE DIMENSIONS (Units in mm)



PIN NO.	SYMBOL	I/O	PIN NO.	SYMBOL	I/O
1	GND	I	16	GND	I
2	GND	I	17	DATA OUT (-)	O
3	GND	I	18	DATA OUT (+)	O
4	GND	I	19	CLK OUT (-)	O
5	GND	I	20	CLK OUT (+)	O
6	GND	I	21	GND	I
7	GND	I	22	GND	I
8	GND	I	23	GND	I
9	Vcc	I	24	Vcc	I
10	EXTC 1	-	25	Vcc	I
11	N.C.	-	26	Vcc	I
12	EXTC 2A	-	27	Vcc	I
13	EXTC 2B	-	28	Vcc	I
14	GND	I	29	GND	I
15	OPT IN ALM	O	30	EXTC 3	I

I: Input Terminal, O: Output Terminal