



**THE DATASHEET OF
JG0-0051NL**



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS		
	100 KHz	1-125 MHz	
INSERTION LOSS	-1.2 DB MAX	-0.2-0.002*f ^{1.4} DB MAX	
RETURN LOSS (Z _{out} = 100 OHM ±25%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 DB MIN	-10+20*LOG ₁₀ (f/60) DB MIN	-10 DB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS)	
	1 MHz	10-100 MHz	
CROSS-TALK, ADJACENT CHANNELS	-50 DB MIN	-55+22*LOG ₁₀ (f/10) DB MIN	
	2 MHz	30-200 MHz	
COMMON MODE REJECTION RATIO	-50 DB MIN	-15+20*LOG ₁₀ (f/200) DB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

EMITTED COLOR	GREEN
WAVELENGTH (nm)	565 nm
BRIGHTNESS (mcd)	8 TO 12 TYP. @ 20mA
VIEWING ANGLE	100°
POWER DISSIPATION (Pd)	68 mW MAX
DC FORWARD CURRENT	25 mA MAX
REVERSE VOLTAGE (Vr)	5.0 V MAX



C A B L E S I D E

NOTICE: THIS IS A ROHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES
DECIMALS ANGLES
XX ±.01 ± 1°
.XXX ±.005

DO NOT SCALE DRAWING

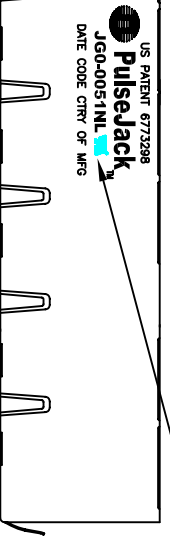
SIZE	PAGE CODE	DWG. NO.	SHEET	REV.
B	01961	JG0-0051NL	1	X1
SCALE	NONE	JG0-0051NL-1	1	OF 4

3

2

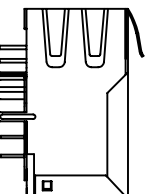
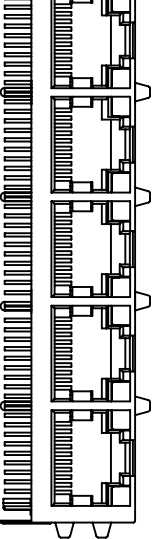
1

SPECIFICATION ITEM 15.

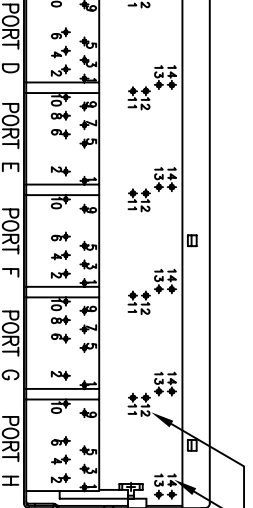


MARK PART WITH "UL MARK"
 PER PROCEDURE ITEM 22.
 MARK POSITION IS OPTIONAL
 PREFERRED LOCATION IS
 TOP OF THE PART.

NAL OUTLINE



LED PINS



PIN ASSIGNMENT
 (BOTTOM VIEW)

PINS 3 AND 4 ARE REMOVED.
 PINS 7 AND 8 ARE REMOVED.

3

2

1

A

B

C

D

UNLESS OTHERWISE SPECIFIED, ALL
 DIMENSIONS ARE IN INCHES
 DECIMALS
 ANGLES
 .XX ±.01 ± 1°
 .XXX ±.005
 DO NOT SCALE DRAWING

SIZE	PAGE CODE	DWG. NO.	SHEET	REV.
B	01961	JG0-0051NL	2 OF 4	X1
SCALE	NONE	CADD FILE		
		JG0-0051NL-2		

3

2

1

A

B

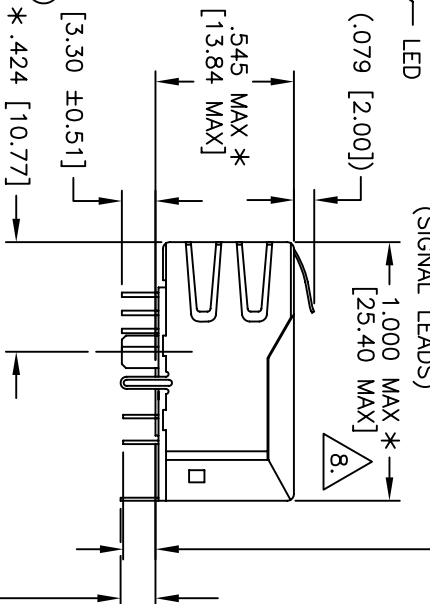
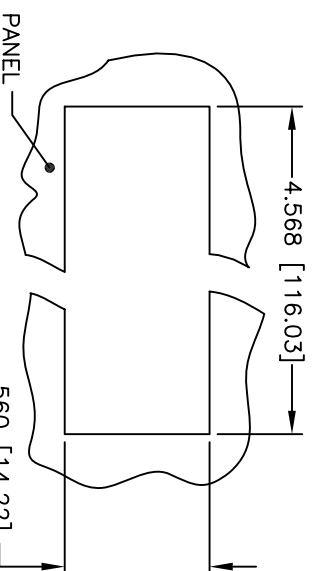
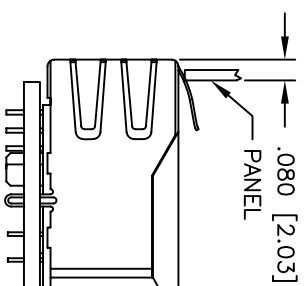
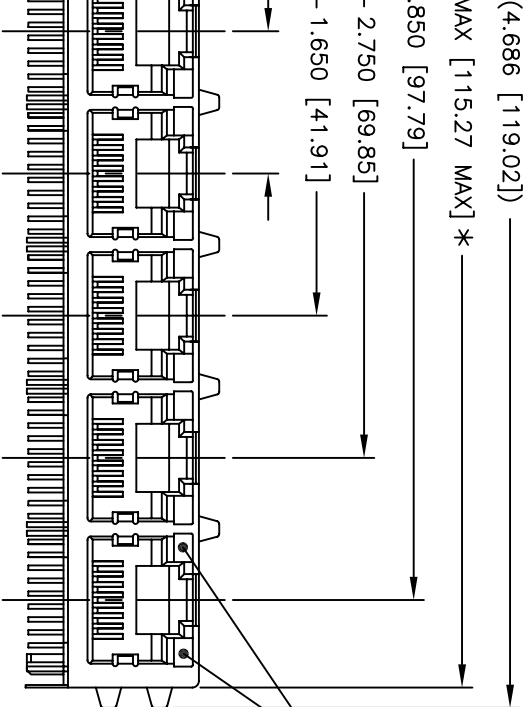
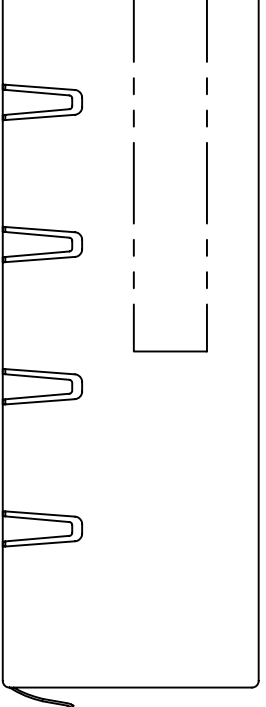
C

D

3

2

1



* .130 ±.020 [3.30 ±0.51] (LED LEADS)

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES DECIMALS
 .XXX ±.005
 DO NOT SCALE DRAWING

SIZE CASE CODE
 B 01961
 SCALE 2/1 CAD FILE

DWG. NO. JG0-0051NL
 JG0-0051NL-3

SHEET 3 OF 4 REV X1

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