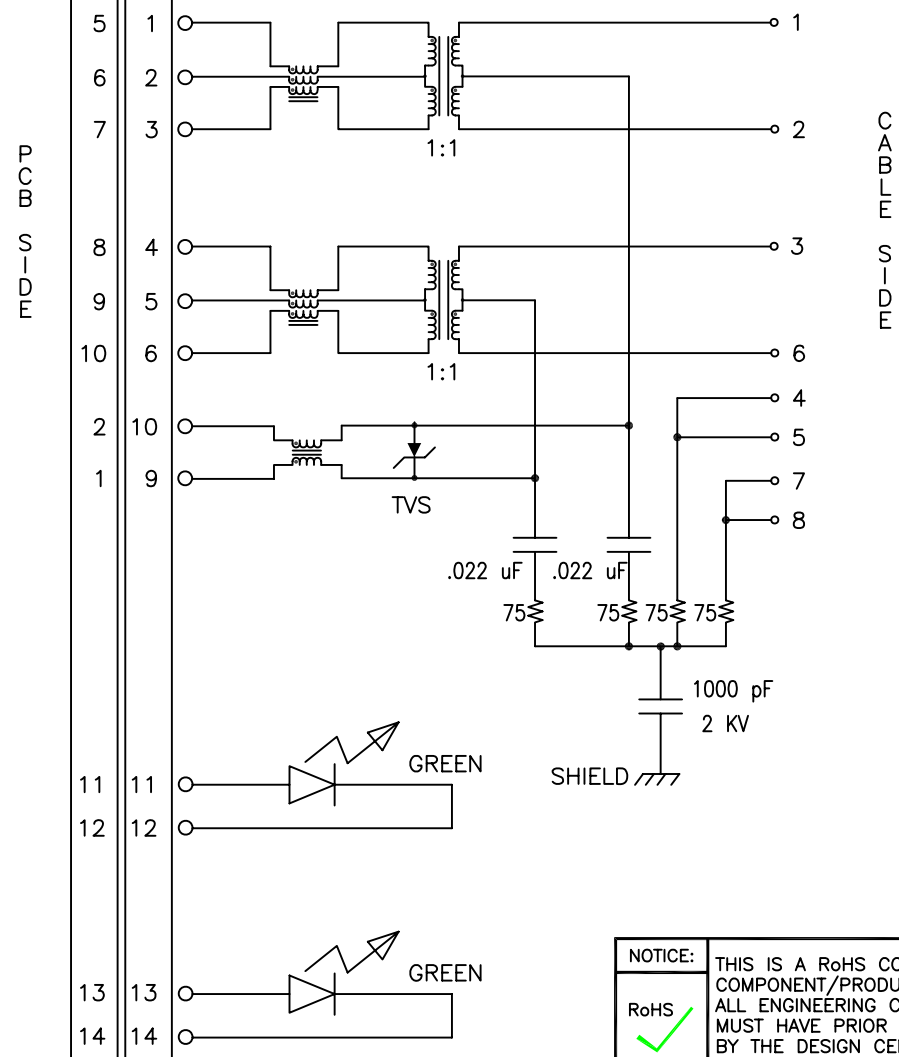


JG0-0051NL

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SCHEMATIC



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

PARAMETER	SPECIFICATIONS		
INSERTION LOSS	100 KHz	1–125 MHz	
	–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 MHz) 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)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz	
	–50 dB MIN	–55+22*LOG ₁₀ (f/10) dB MIN	
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz	
	–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.

EMMITTED 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

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

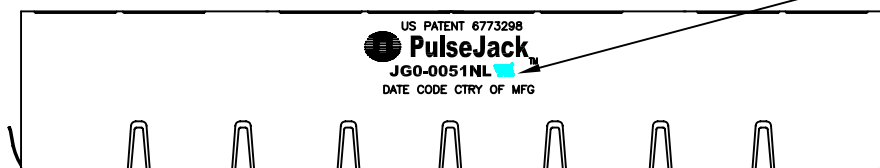
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:
DECIMALS .XX ±.01
.XXX ±.005
ANGLES ± 1°
DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV.
B01961		JG0-0051NL	X1
SCALE	CADD FILE	JG0-0051NL-1	SHEET 1 OF 4

JG0-0051NL

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FINAL OUTLINE NOTE:
CHECK DIMENSIONS PER PACKAGE SPECIFICATION ITEM 15.

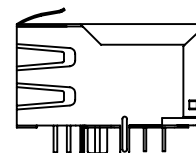
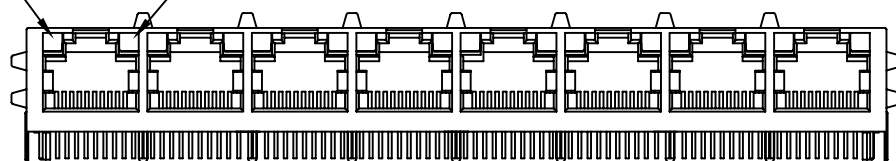


MARK PART WITH "UL MARK"
PER PROCEDURE ITEM 22.
MARK POSITION IS OPTIONAL
PREFERRED LOCATION IS
TOP OF THE PART.

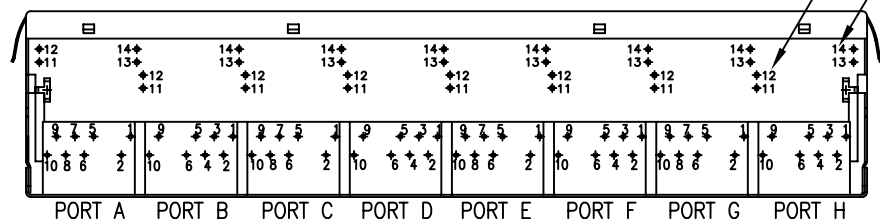
FINAL OUTLINE

GREEN

GREEN



LED PINS



PIN ASSIGNMENT
(BOTTOM VIEW)

NOTES:

FOR PORT A, C, E AND G: PINS 3 AND 4 ARE REMOVED.
FOR PORT B, D, F AND H: PINS 7 AND 8 ARE REMOVED.

UNLESS OTHERWISE SPECIFIED, ALL
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

DECIMALS ANGLES
.XX ±.01 ± 1°
.XXX ±.005

DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV.
B01961		JG0-0051NL	X1
SCALE	CADD FILE	SHEET	2 OF 4
NONE	JG0-0051NL-2		

JG0-0051NL

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D

C

B

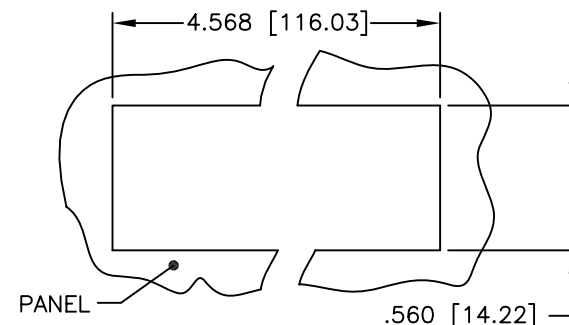
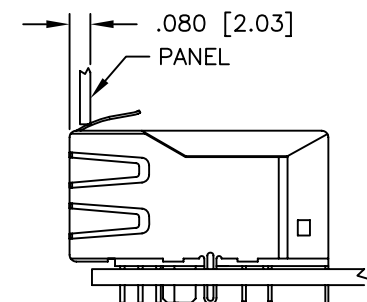
A

D

C

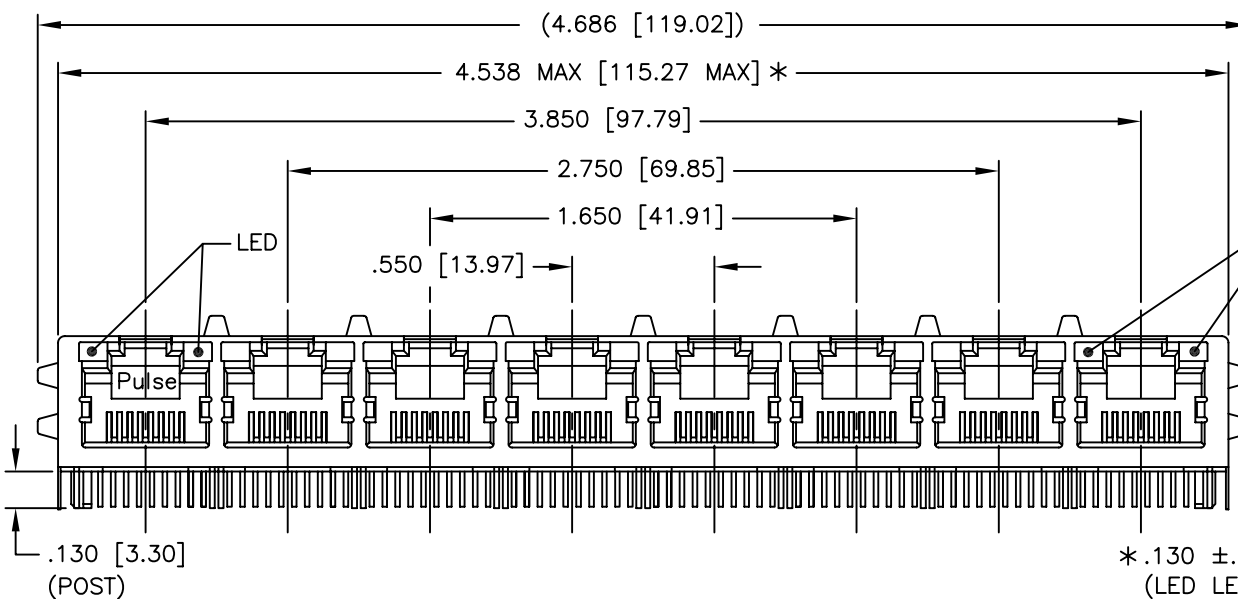
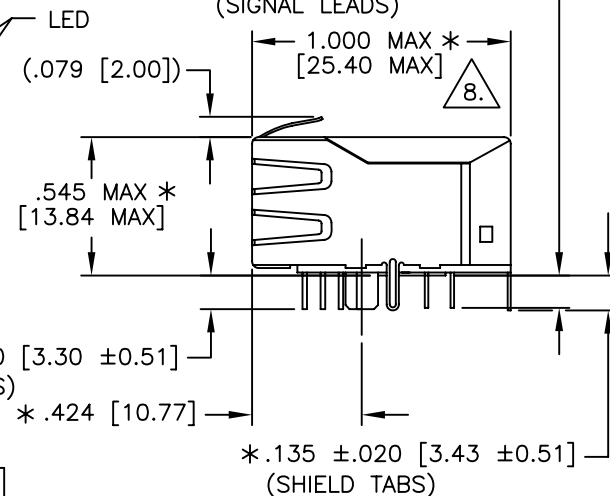
B

A



SUGGESTED PANEL CUTOUT

*.125 ±.020 [3.16 ±.51]
(SIGNAL LEADS)



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



SIZE
B01961
SCALE
2/1

CAGE CODE
CADD FILE
JG0-0051NL-3

DWG. NO.
JG0-0051NL
SHEET
3 OF 4

REV
X1

JG0-0051NL

4

3

2

1

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D

D

C

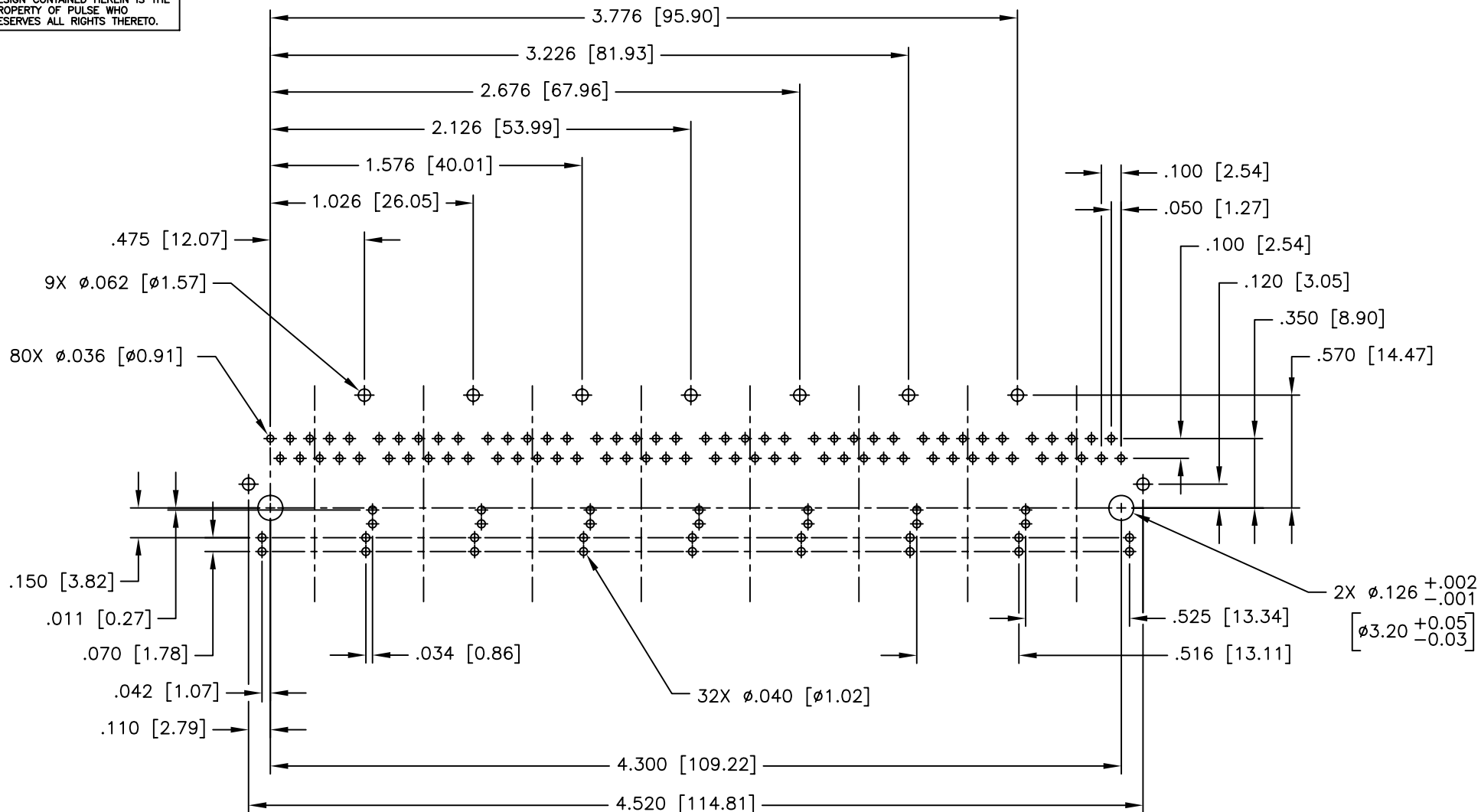
C

B

B

A

A



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)
DIMENSIONAL TOLERANCE: (UNLESS OTHERWISE SPECIFIED)
.XXX ±.003 [X.XX ±0.08]

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

ANGLES
4.

SIZE
B01961

SCALE 2/1

CADD FILE

DWG. NO.

JG0-0051NL

JG0-0051NL-4

SHEET 4 OF 4

REV

X1