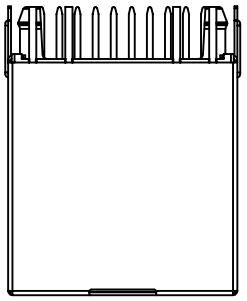

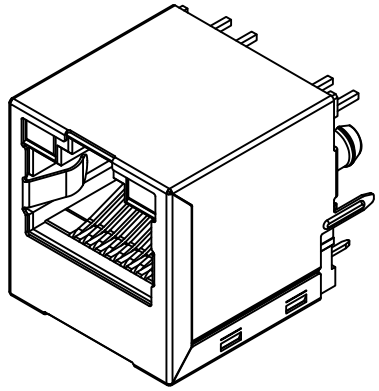

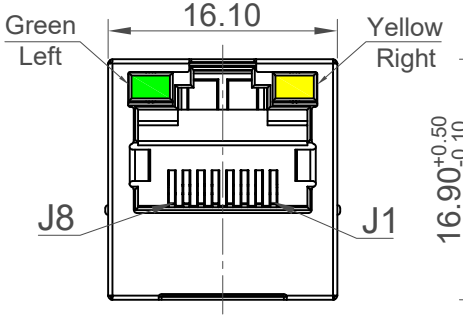

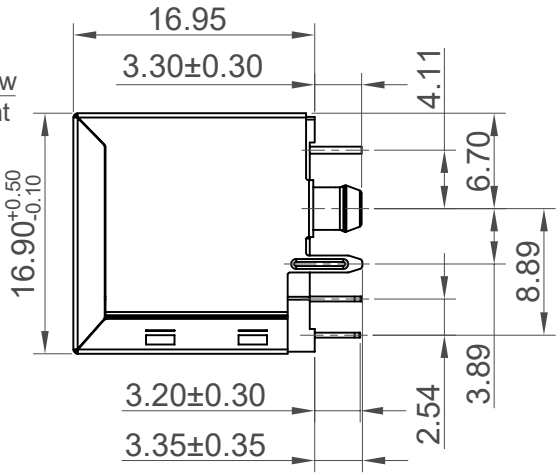

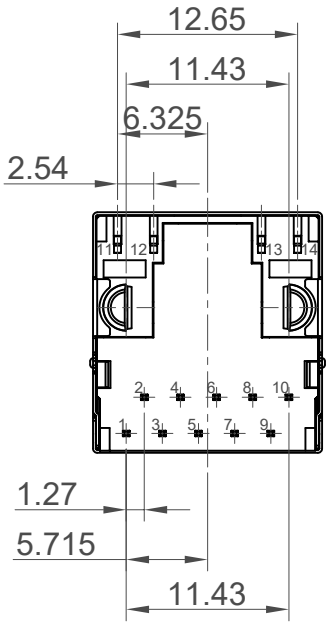

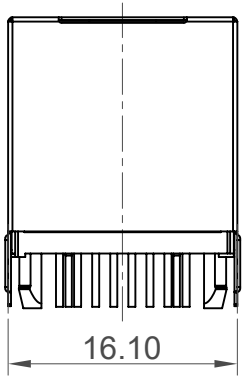

Specifications

Material

Terminals Bracket: PA46, UL 94V-0, Black
Housing: LCP UL 94V-0, Black
Shell: Brass
Terminal: Phosphor Bronze

Plating

Terminal:
Contact Area: 6μ" Gold
Solder Tails: Tin
Shell: Nickel

Mechanical & Environmental

Storage Temperature: -40°C to +85°C
Operation Temperature: -40°C to +85°C
Durability: 750 Cycles min.
Mating Force: 23N max.

Ordering Grid

MGB015	1	C	C2	B004	H

Request Samples and Quotation

Contact Plating
C = 6μ" Gold

Packing Options
H = Tray *(120pcs per tray)*

Part Number	Product Description
MGB015	Modular Jack, With Shell, With LED, With Magnetics, Vertical, Through Hole, 1000Base
Drawing Date	
17th October 2025	

By	KY
Detail	Drawing Release
Revision	A1
Date	08/01/26

Tolerances (Except as Noted)
Length: X. ±0.35, X.X ±0.30, X.XX ±0.25, X.XXX ±0.10
Angle: X.° ±3.0°, X.X° ±2.0°, X.XX° ±1.5°, X.XXX° ±1.0°

Units: Metric (mm)
3rd Angle Projection

RoHS COMPLIANT 2011/65/EU Deca-BDE

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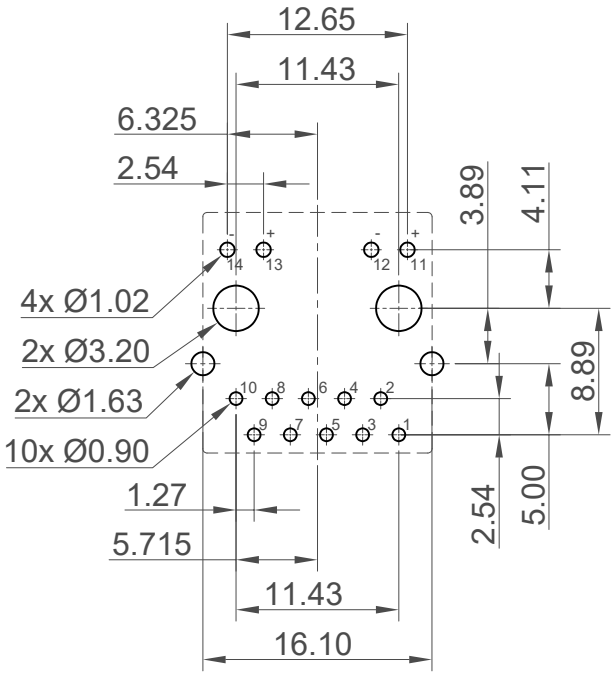
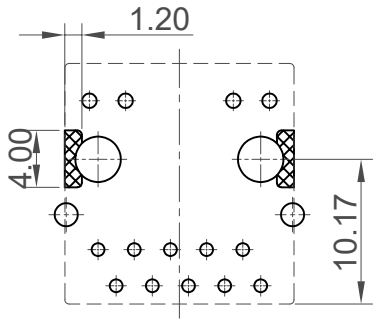
Not to Scale	Drawn By JZ	Sheet No. 1/4



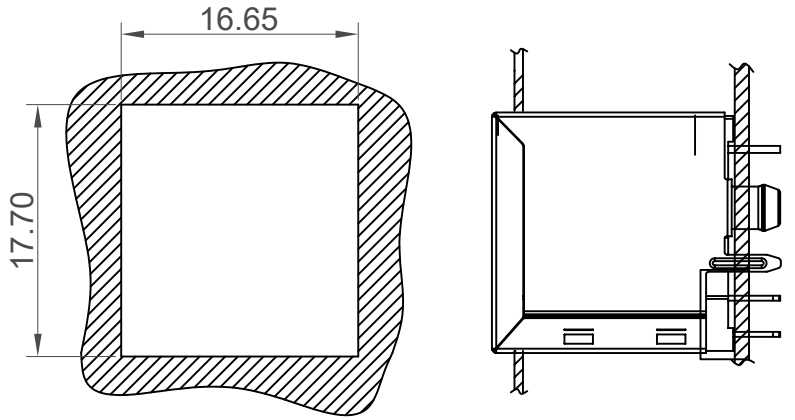
Recommended PCB Layout
Viewed from Component Side
Tolerance:±0.05mm

Component Outline



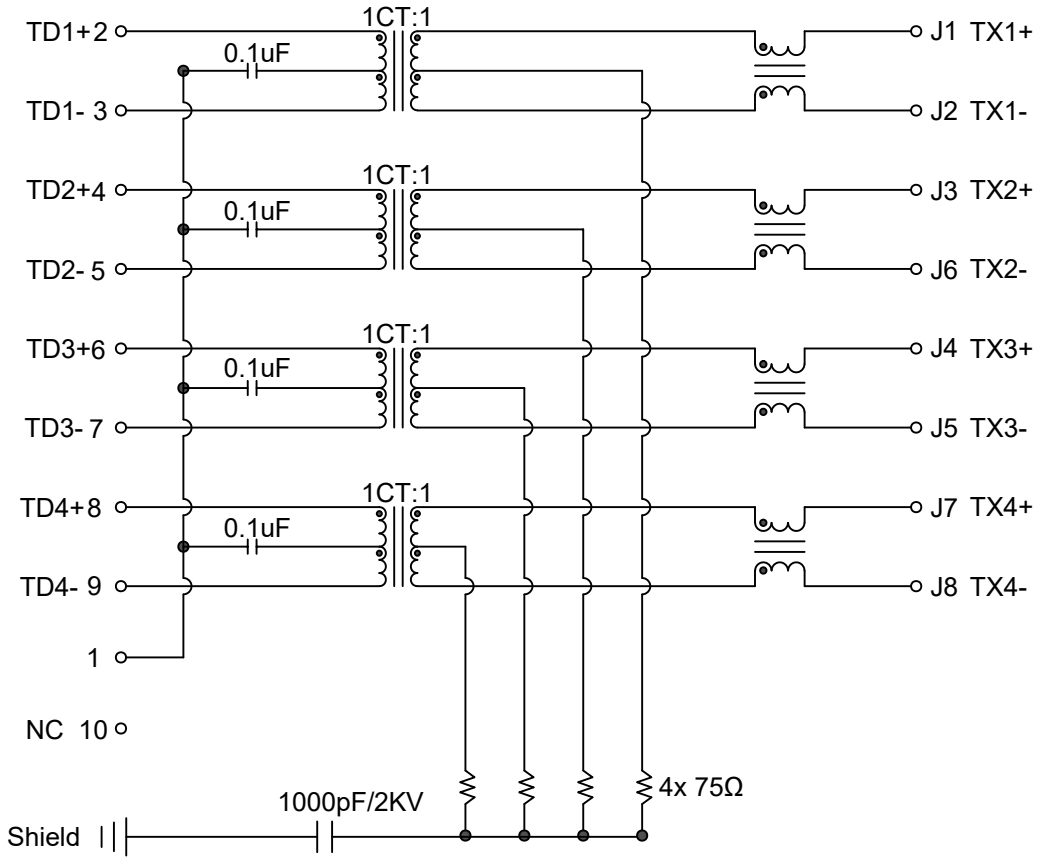
Recommended Keep Out Area
Viewed from Component Side
Tolerance:±0.05mm

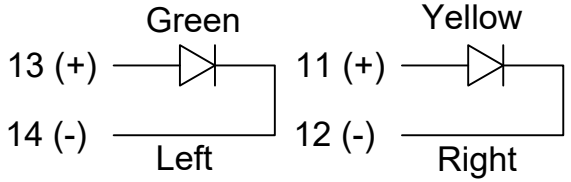
Keep Out Area Component Outline



Recommended Panel Cut Out
Tolerance:±0.10mm

Part Number: MGB015		Product Description: Modular Jack, With Shell, With LED, With Magnetics, Vertical, Through Hole, 1000Base					
Drawing Date: 17th October 2025							
By	KY	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dece-BDE	© This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	GCT www.gct.co
Detail	Drawing Release	X. ±0.35	X.° ±3.0°	3rd Angle Projection			Not to Scale / Drawn By JZ / Sheet No. 2/4
Revision	A1	X.X ±0.30	X.X° ±2.0°				
Date	08/01/26	X.XX ±0.25	X.XX° ±1.5°				
		X.XXX ±0.10	X.XXX° ±1.0°				





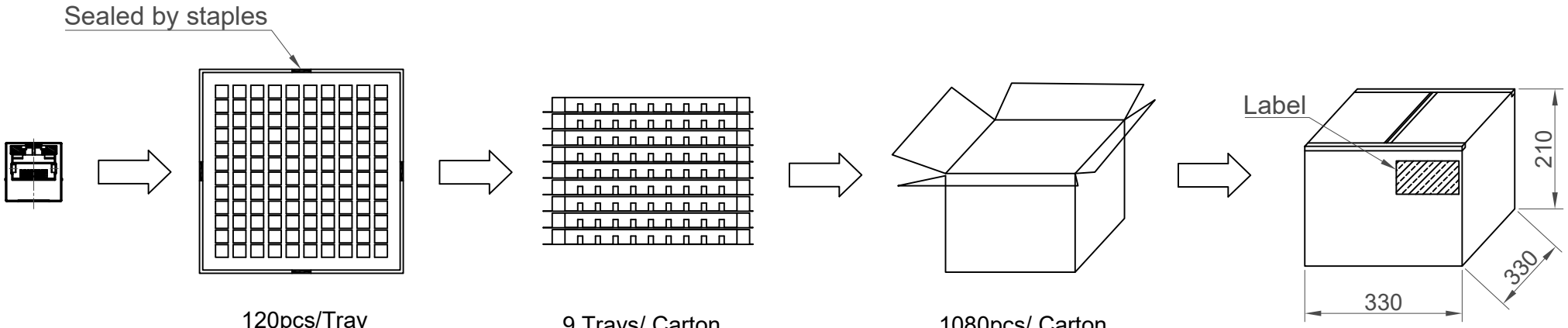
Pin	Green	Pin	Yellow
13	+	11	+
14	-	12	-

Electrical

1. Turn Ratio:
   (2-3) : (J1-J2) = 1CT : 1CT (±2%)
   (4-5) : (J3-J6) = 1CT : 1CT (±2%)
   (6-7) : (J4-J5) = 1CT : 1CT (±2%)
   (8-9) : (J7-J8) = 1CT : 1CT (±2%)
2. OCL: 350uH min.@ 100KHz, 100mV, 8mA DC.
3. Insertion Loss: 1-100MHz, -1.0dB max.
4. Return Loss: 1-30MHz, -18dB min.
   30-60MHz, -14dB min.
   60-80MHz, -12dB min.
   80-100MHz, -10dB min.
5. Cross Talk: 1-30MHz, -40dB min.
   30-60MHz, -35dB min.
   60-100MHz, -30dB min.
6. CMR: 1-100MHz, -30dB min.
7. Hi-Pot: 2250V DC 6s 1mA PRI to SEC
8. Speed: 10/100/1000M Base-T

LED Specification			
Standard LED Colour	Wave Length	Forward A(max)	Forward V
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V

Part Number: MGB015		Product Description: Modular Jack, With Shell, With LED, With Magnetics, Vertical, Through Hole, 1000Base					GCT www.gct.co
Drawing Date: 17th October 2025							
By	KY	Tolerances (Except as Noted) Length: -	Angle: -	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE		Not to Scale / Drawn By JZ / Sheet No. 3/4
Detail	Drawing Release			3rd Angle Projection			
Revision	A1						
Date	08/01/26						



120pcs/Tray

9 Trays/ Carton

1080pcs/ Carton

Pcs / Tray	Trays / Carton	Total Quantity
120	9	1080 pcs

Part Number		Product Description					
MGB015		Modular Jack, With Shell, With LED, With Magnetics, Vertical, Through Hole, 1000Base					
Drawing Date							
17th October 2025							
By	KY	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE		GCT www.gct.co
Detail	Drawing Release						
Revision	A1	-	-	3rd Angle Projection			Not to Scale / Drawn By JZ / Sheet No. 4/4
Date	08/01/26						