



161 Alden Road, Units 7 & 8, Markham, Ontario Canada L3R 3W7

Tel: +1 416 754-3322

Fax: +1 416-754-3299

Email: info@edac.net

http://www.edac.net

ENGINEERING CHANGE NOTICE

Originator:	Bo Byoung Jeon	Date:	April 4, 2023	Document Number	ECN20230404-00
Phone No.	(416) 754-3322	Part Number	A63-262-213N423, A63-262-213L423 A63-263-213N423, A63-263-213L423 A63-264-213N423, A63-264-213L423	Drawing Revision	Rev 5 for A63-26X-213N423 Rev 1 for A63-26X-213L423
Email Address:	bbjeon@edac.net				
Department	ENGINEERING				

CHANGE TYPE

- CLASS I Customer notification and approval required prior to implementation
- CLASS II Customer notification only, no approval required
- CLASS III No customer notification required

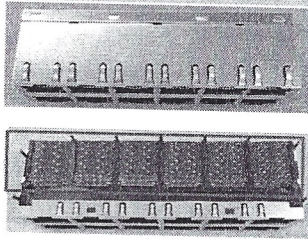
REASON OF CHANGE

Quality improvement of PN#: A63-262-213N423, A63-263-213N423 and A63-264-213N423 by CAR20221104-01

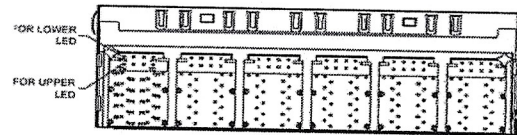
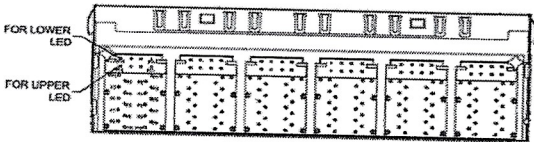
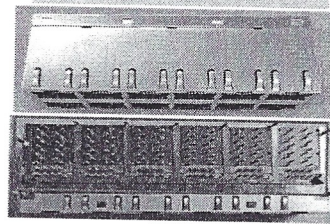
DESCRIPTION OF CHANGE:

New part number A63-26X-213L423 which uses new material LCP(Liquid Crystal Polymer) replaces A63-26X-213N423 which uses PA66(Polyamide 66).

A63-26X-213N423 Rev.5



A63-26X-213L423 Rev.1



NOTES:
1. MATERIALS:
HOUSING: THERMOPLASTIC BLACK UL94 V-0
SHIELD: BRASS, NICKEL PLATED
CONTACTS: PHOSPHOR BRONZE, GOLD PLATED IN CONTACT AREA
SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH

PART NO	GOLD PLATING THICKNESS
A63-262-213N423	GOLD FLASH PLATING
A63-263-213N423	15 MICRO INCHES OF GOLD
A63-264-213N423	30 MICRO INCHES OF GOLD

NOTES:
1. MATERIALS:
HOUSING: LCP BLACK UL94 V-0
INSERTER: PBT BLACK UL94V-0
SHIELD: BRASS, NICKEL PLATED
CONTACTS: PHOSPHOR BRONZE, GOLD PLATED IN CONTACT AREA
SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH

PART NO	GOLD PLATING THICKNESS
A63-262-213L423	GOLD FLASH PLATING
A63-263-213L423	15 MICRO INCHES OF GOLD
A63-264-213L423	30 MICRO INCHES OF GOLD

2. Effective implementation to distribution is on April 04, 2023

Note: N/A

PARTIES AFFECTED

- Customer
- Distributors
- Suppliers
- NORCOMP
- MH
- ETW
- ECA
- EDG
- EDAC UK

KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED (check if applicable and show target dates as known)

- Submit Quote
- Prod. Trial Run
- Run at Rate
- PPAP from Supplier
- MRD of Production Parts

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)

Tooling Rep	_____	Process Eng Rep	_____
Mfg Eng Rep	_____	Facilities Rep	_____
Production Rep	_____	Sales Rep.	_____
Materials Rep	_____	Product Eng. Rep.	Ronnie Sta Monica
Quality Rep	Bo Byoung Jeon	Purchasing Rep	_____

STATUS

APPROVED

CCS CHANGE REQUEST #

REJECTED

Change REJECTED by:

Rejected Date:

APPROVALS FOR ECN INITIATION (REQUIRED)

- Vice President **Bob Sakitkovski**
 - Engineering Manager **Ronnie Sta. Monica**
 - Business Development Manager **Kobie Samuels**
 - Quality Engineer **Bo Byoung Jeon**
 - Mechanical Engineer **g Jeon**
- 4/27/23

Bo Byoung Jeon
g Jeon

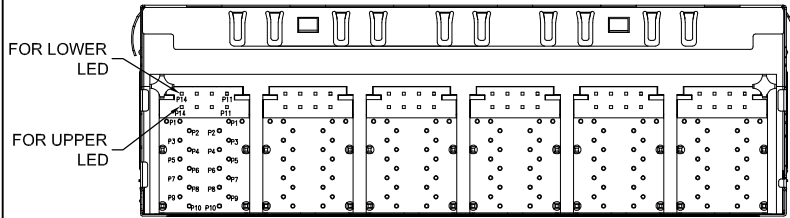
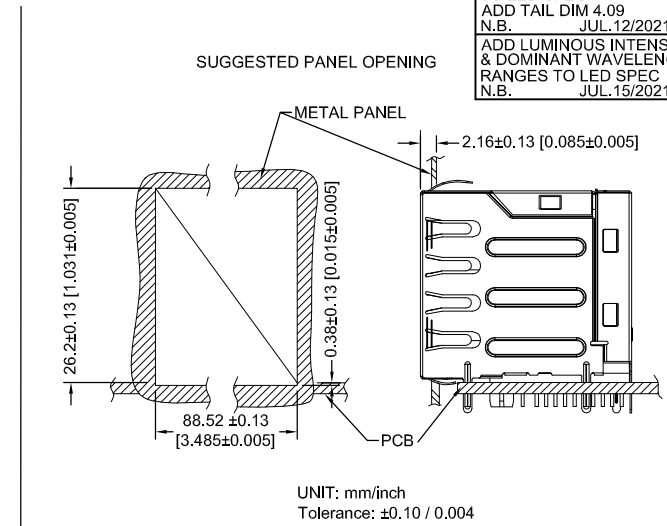
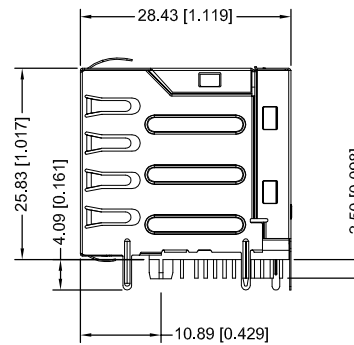
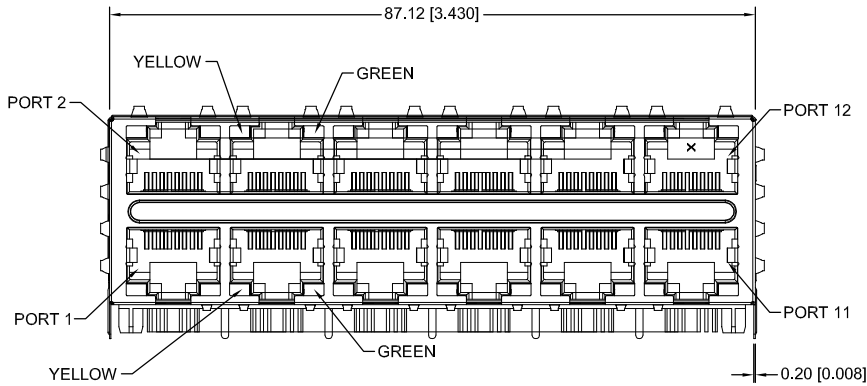
MINIMUM OF TWO SIGNATURES REQUIRED

Unless otherwise specified, all dimensions tolerances
is $\pm 0.254 / 0.010$.

THIS IS A C.A.D. GENERATED DRAWING
DO NOT MAKE MANUAL REVISIONS TO MASTER.

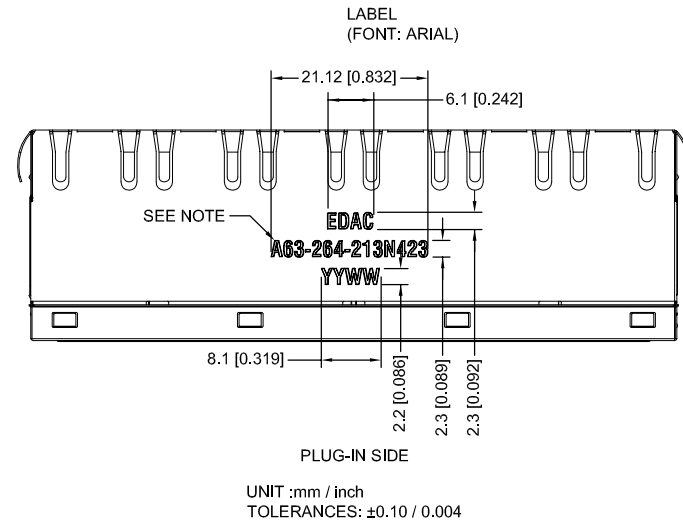


ISSUE NUMBER	
ADD SOLDER TAIL PLATING	3
MATERIAL NOTE	
P.M. APR. 07/2020	
ADD LUMINOUS INTENSITY TO LED SPEC	4
ADD TAIL DIM 4.09	
N.B. JUL. 12/2021	
ADD LUMINOUS INTENSITY & DOMINANT WAVELENGTH RANGES TO LED SPEC	5
N.B. JUL. 15/2021	



NOTES:

1. MATERIALS:
HOUSING: THERMOPLASTIC BLACK, UL94 V-0
SHIELD: BRASS, NICKEL PLATED
CONTACTS: PHOSPHOR BRONZE, GOLD PLATED IN CONTACT AREA
SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH
2. PART NO GOLD PLATING THICKNESS
A63-262-213N423 GOLD FLASH PLATING
A63-263-213N423 15 MICRO INCHES OF GOLD
A63-264-213N423 30 MICRO INCHES OF GOLD
3. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
4. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX.
6. OPERATING TEMPERATURE T=-40°C TO +85°C
7. STORAGE TEMPERATURE T=-40°C TO +85°C
8. SHIELD PIN: SOLDER WITH MATTE TIN, TIN 2/3 ON PIN



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCY.

**2X6 STACKED, RJ45 MAGNETIC JACK WITH LED
8P, 8C, SHIELDED, 10/100 Mbps FILTER**



EDAC INC
TORONTO, ONTARIO
CANADA

YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC., AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.: A63-262-213N423

DRAWN: R.STA.MONICA

DATE: JUL.14/2014

CHECKED: R.S.M.

DATE: JUL.15/2021

PART NUMBER

SEE NOTE

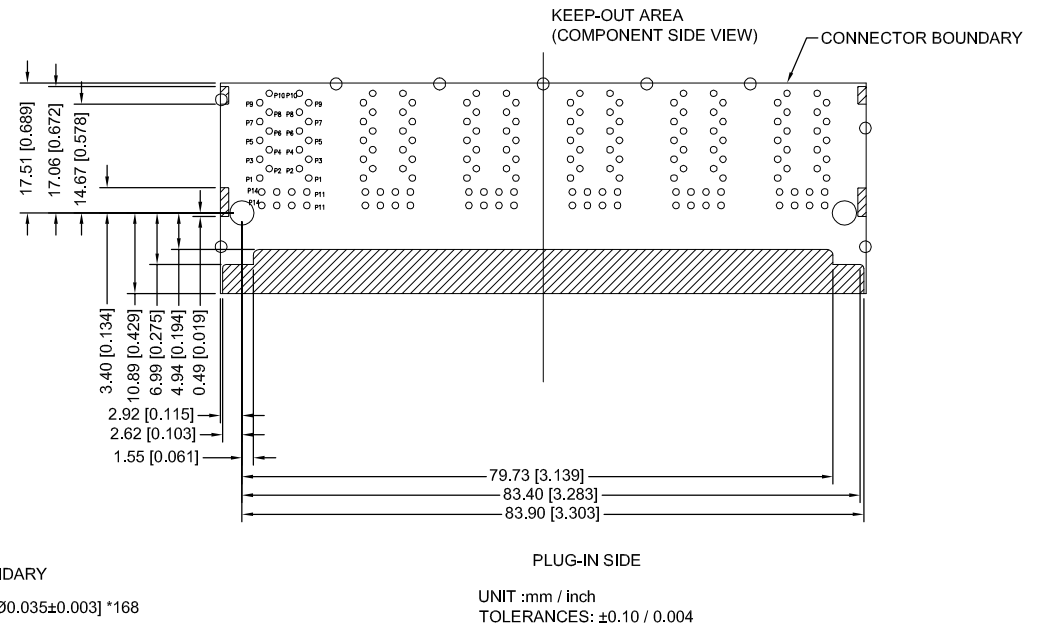
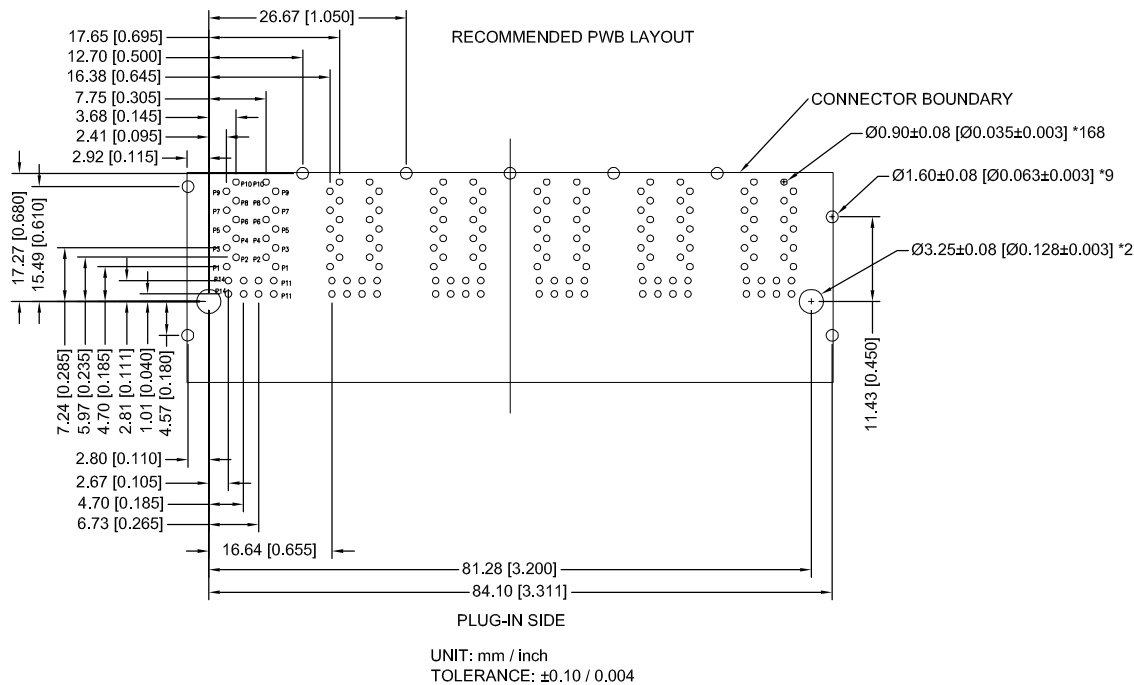
SHEET 1 OF 3

DRAWING NUMBER

A63-262-213N423

ISSUE

5



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCY.

2X6 STACKED, RJ45 MAGNETIC JACK WITH LED 8P, 8C, SHIELDED, 10/100 Mbps FILTER

EDAC EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC., AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.: A63-262-213N423

DRAWN: R.STA.MONICA

DATE: JUL.14/2014

CHECKED: R.S.M.

DATE: JUL.15/2021

PART NUMBER

SEE NOTE

SHEET 2 OF 3

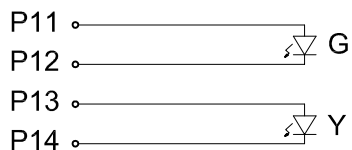
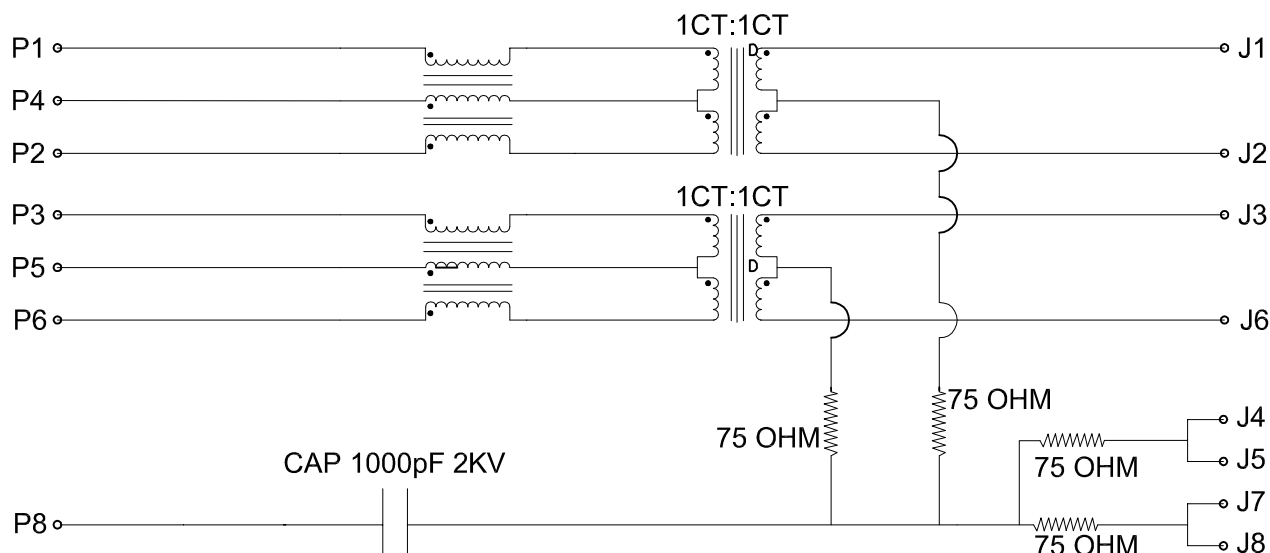
DRAWING NUMBER

A63-262-213N423

ISSUE

5

ELECTRICAL CIRCUIT:



PIN	GREEN		YELLOW
P11	+	P13	+
P12	-	P14	-

LED SPECIFICATION					
STANDARD LED	WAVELENGTH(min-max)	LUMINOUS INTENSITY(min-max)	FORWARD CURRENT	FORWARD V(max)	TYP
GREEN	565-567.5 nm	4-6 mcd	5 mA	2.4V	2.2V
YELLOW	590.0-592.5 nm	28-43 mcd	5 mA	2.5V	2.1V

ELECTRIC SPECIFICATIONS:

- 1.0 TURN RATIO @100KHz: (P1-P2):(J1-J2) = 1:1 ±5%
(P3-P6):(J3-J6) = 1:1±5%
- 2.0 PRIMARY INDUCTANCE: 350uH MIN @ 100KHZ, 0.1V 8mA DC BIAS
- 3.0 DC RESISTANCE: (J1-J2):(J3-J6) 1.2 OHMS MAX
- 4.0 INSERTION LOSS: 1-100MHZ -1.2dB MAX
- 5.0 RETURN LOSS 1-30MHZ -16dB MIN
30-60MHZ -12dB MIN
60-80 MHz -10dB MIN
- 6.0 CROSS TALK: 1-100MHZ -30dB MIN
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHZ -30dB MIN
- 8.0 ISOLATION: PHY SIDE TO LINE SIDE: 1500VAC OR 2250VDC



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCY.

2X6 STACKED, RJ45 MAGNETIC JACK WITH LED
8P, 8C, SHIELDED, 10/100 Mbps FILTER



EDAC INC
TORONTO, ONTARIO
CANADA

YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC., AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.: A63-262-213N423

DRAWN: R.STA.MONICA DATE: JUL.14/2014

CHECKED: R.S.M. DATE: JUL.15/2021

PART NUMBER

SEE NOTE

SHEET 3 OF 3

DRAWING NUMBER

A63-262-213N423

ISSUE

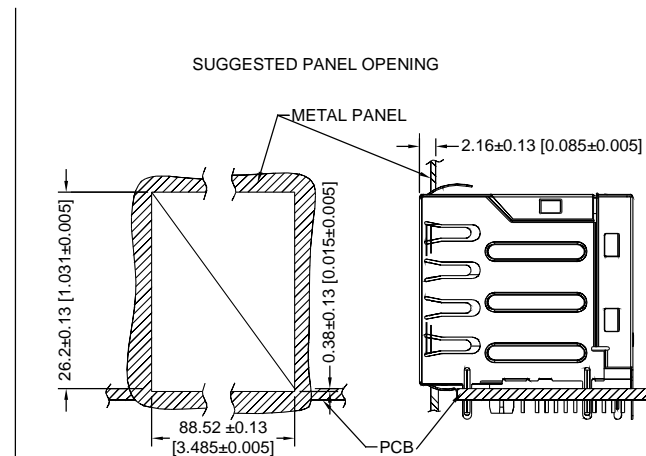
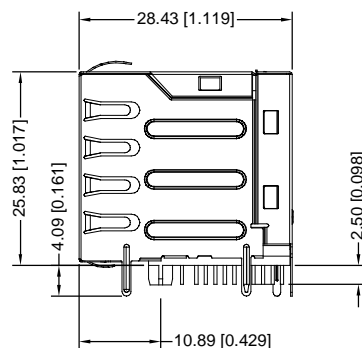
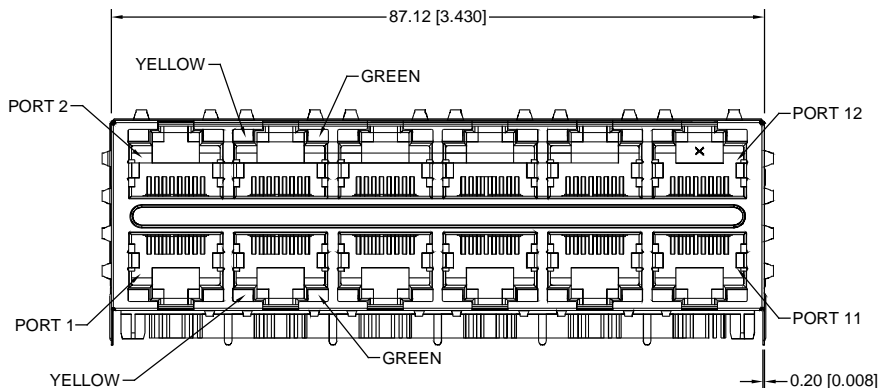
5

Unless otherwise specified, all dimensions tolerances is $\pm 0.254 / 0.010$.

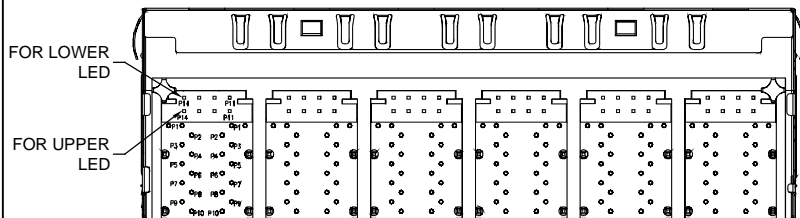
THIS IS A C.A.D. GENERATED DRAWING
DO NOT MAKE MANUAL REVISIONS TO MASTER.



ISSUE NUMBER
ORIGINAL 1



UNIT: mm/inch
Tolerance: $\pm 0.10 / 0.004$

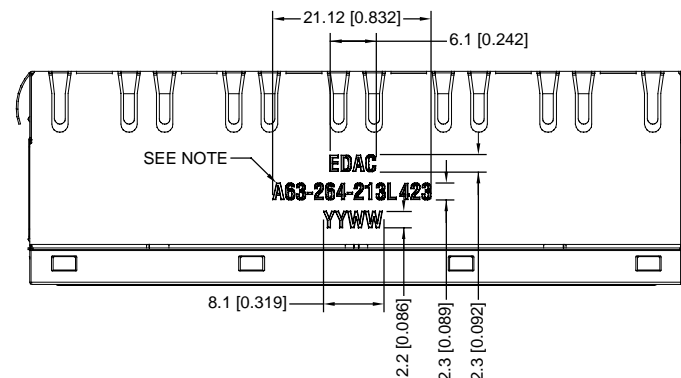


NOTES:

- MATERIALS:
 - HOUSING: LCP BLACK, UL94 V-0
 - INSERTER: PBT BLACK, UL94V-0
 - SHIELD: BRASS, NICKEL PLATED
 - CONTACTS: PHOSPHOR BRONZE, GOLD PLATED IN CONTACT AREA
 - SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH
- | PART NO | GOLD PLATING THICKNESS |
|-----------------|-------------------------|
| A63-262-213L423 | GOLD FLASH PLATING |
| A63-263-213L423 | 15 MICRO INCHES OF GOLD |
| A63-264-213L423 | 30 MICRO INCHES OF GOLD |

- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX.
- OPERATING TEMPERATURE T=-40°C TO +85°C
- STORAGE TEMPERATURE T=-40°C TO +85°C
- SHIELD PIN: SOLDER WITH MATTE TIN, TIN $\frac{3}{8}$ ON PIN

LABEL
(FONT: ARIAL)



PLUG-IN SIDE

UNIT : mm / inch
TOLERANCES: $\pm 0.10 / 0.004$

2X6 STACKED, RJ45 MAGNETIC JACK WITH LED
8P, 8C, SHIELDED, 10/100 Mbps FILTER



EDAC INC
TORONTO, ONTARIO
CANADA

YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC., AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.: A63-262-213L423

DRAWN: P.MARTEL DATE: MAR.28/2023

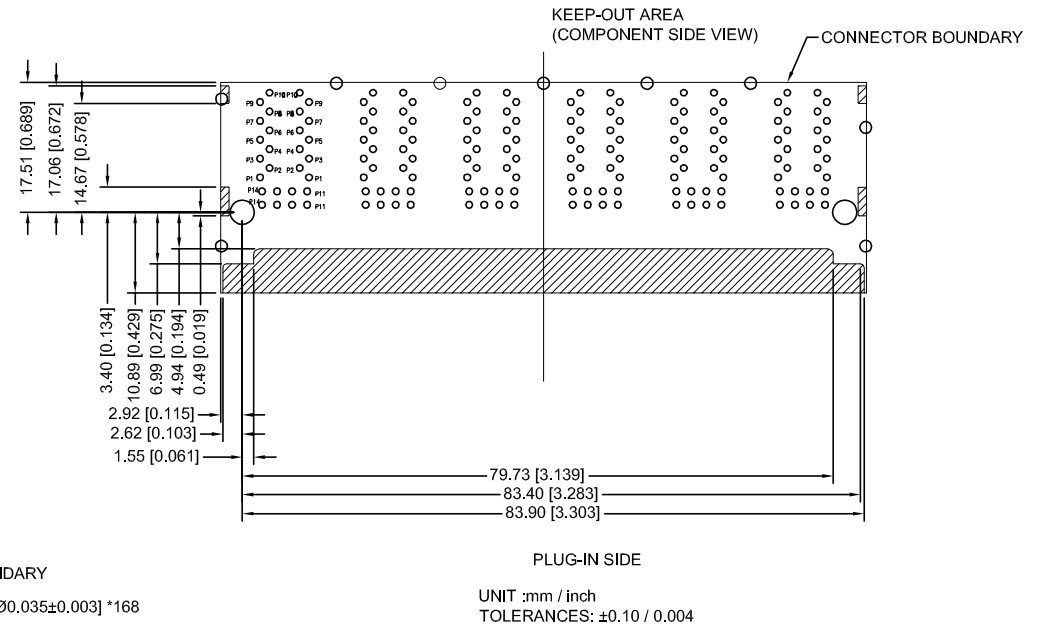
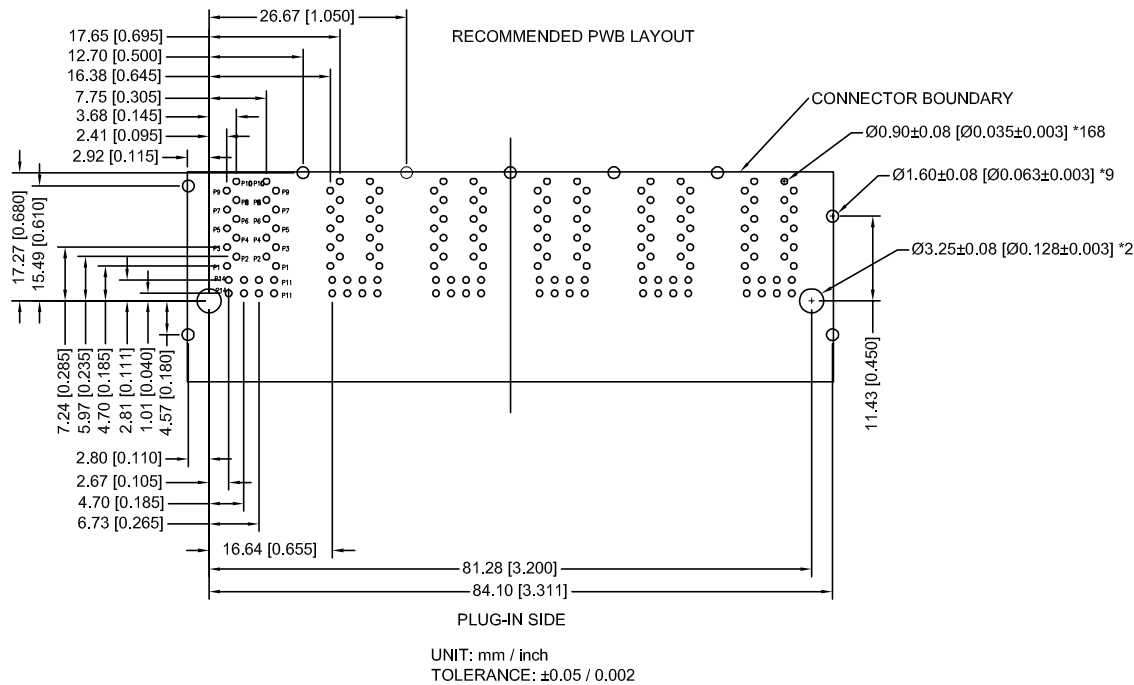
CHECKED: R.S.M. DATE: MAR.28/2023

PART NUMBER
SEE NOTE SHEET 1 OF 3

DRAWING NUMBER
A63-262-213L423 ISSUE
1



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCE.



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCY.

2X6 STACKED, RJ45 MAGNETIC JACK WITH LED 8P, 8C, SHIELDED, 10/100 Mbps FILTER



EDAC INC
TORONTO, ONTARIO
CANADA

YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC., AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO.: A63-262-213L423

DRAWN: P.MARTEL

DATE: MAR.28/2023

CHECKED: R.S.M.

DATE: MAR.28/2023

PART NUMBER

SEE NOTE

SHEET 2 OF 3

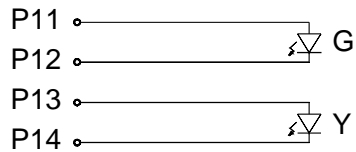
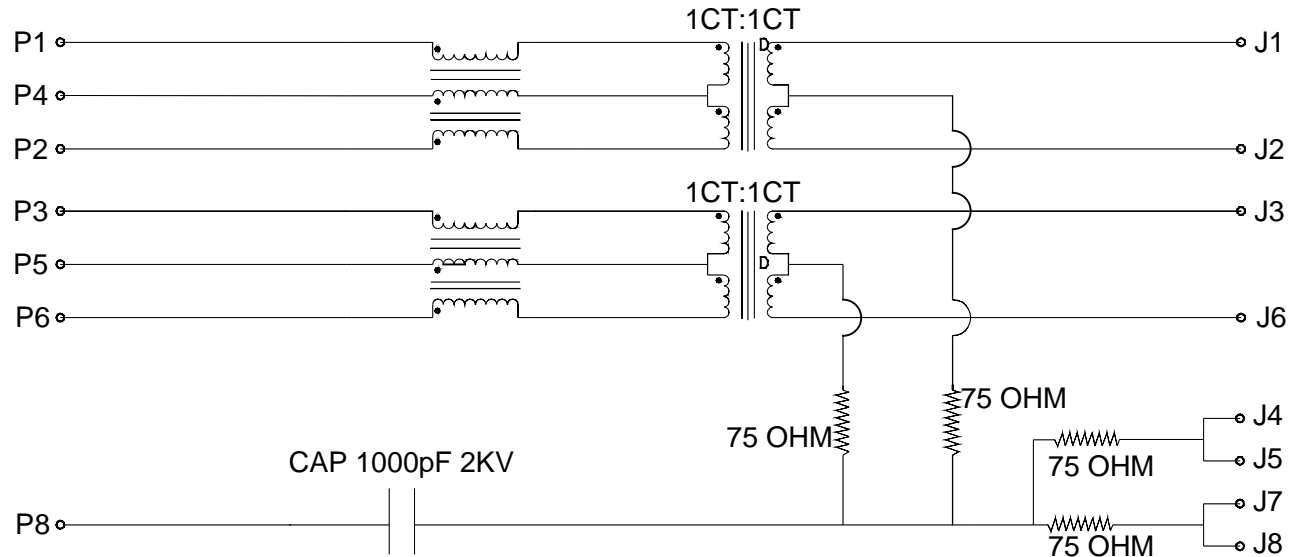
DRAWING NUMBER

A63-262-213L423

ISSUE

1

ELECTRICAL CIRCUIT:



PIN	GREEN		YELLOW
P11	+	P13	+
P12	-	P14	-

LED SPECIFICATION					
STANDARD LED	WAVELENGTH(min-max)	LUMINOUS INTENSITY(min-max)	FORWARD CURRENT	FORWARD V(max)	TYP
GREEN	565-567.5 nm	4-6 mcd	5 mA	2.4V	2.2V
YELLOW	590.0-592.5 nm	28-43 mcd	5 mA	2.5V	2.1V

ELECTRIC SPECIFICATIONS:

- 1.0 TURN RATIO @100KHz: (P1-P2):(J1-J2) = 1:1 ±5%
(P3-P6):(J3-J6) = 1:1±5%
- 2.0 PRIMARY INDUCTANCE: 350uH MIN @ 100KHZ, 0.1V 8mA DC BIAS
- 3.0 DC RESISTANCE: (J1-J2):(J3-J6) 1.2 OHMS MAX
- 4.0 INSERTION LOSS: 1-100MHz -1.2dB MAX
- 5.0 RETURN LOSS 1-30MHz -16dB MIN
30-60MHz -12dB MIN
60-80 MHz -10dB MIN
- 6.0 CROSS TALK: 1-100MHz -30dB MIN
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- 8.0 ISOLATION: PHY SIDE TO LINE SIDE: 1500VAC OR 2250VDC

2X6 STACKED, RJ45 MAGNETIC JACK WITH LED 8P, 8C, SHIELDED, 10/100 Mbps FILTER		ACAD REFERENCE NO.: A63-262-213L423	
		DRAWN: P.MARTEL	DATE: MAR.28/2023
		CHECKED: R.S.M.	DATE: MAR.28/2023
		PART NUMBER	
		SEE NOTE	SHEET 3 OF 3
		DRAWING NUMBER	ISSUE
		A63-262-213L423	1



THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES AND 2011/65/EU FOR RoHS COMPLIANCY.

EDAC EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EDAC INC, AND SHALL NOT BE REPRODUCED, OR COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.