

Series 15300 - RTMR

Rear Terminal Mini Fuse & Relay

The Rear Terminal Mini Fuse and Relay (RTMR) provides efficient power distribution in a rugged, compact form for applications in marine, construction, agriculture, heavy trucking, specialty vehicles, etc. This innovative product offers a weather resistant enclosure (IP66) for various mini (2.8mm) blade components when cover, cable seals and cavity plugs are installed. It is available with various degrees of internal electrical bussing, custom labels and multiple hardware configurations in order to meet the needs of any application.



Specifications

Input terminal rating: M6 input studs on bussed/partially bussed inputs. 80A max input on bussed fuse side, 80A max input on bussed relay side.

Output terminal rating: 2.8mm blade terminals (30A max per terminal), temperature dependent

Temperature rating: -40°F (-40°C) to 221°F (105°C) - Consult factory for power derating at higher temperatures

Materials: UL 94 V-0 thermoplastic housing, tin-plated copper internal bussing, bright nickel-plated brass studs (on bussed versions)

Termination: Delphi Metri-Pack® 280 Series terminals (tangles).* (IP66 w/wire seals & cavity plugs installed) Accepts #12-22 AWG wire sizes.

Input stud torque rating: 50in-lbs max

Mounting torque rating: #10-32 (brass) or (M5) tin threaded inserts; 24in-lbs max

Ingress protection rating: IP66-IEC 60529 - valid when properly installed (no more than 90° from horizontal) with cover, sealed terminals and cavity plugs*



Options

Input terminal stud end caps: Protective silicone end caps available for studded versions

Mounting: brackets available for surface-mounting

- Plated steel: B028-7021-O
- Stainless steel: B028-7021-P

Labels: Consult factory for custom label options

Replacement accessories: Consult factory for available service parts

Cover marking: Laser etching on inside, outside or both

Cover options: Two heights (fuses only or relays/circuit breakers)

Latch position assurance: 15300-LP (available in bulk only)



*Consult Delphi distribution for availability

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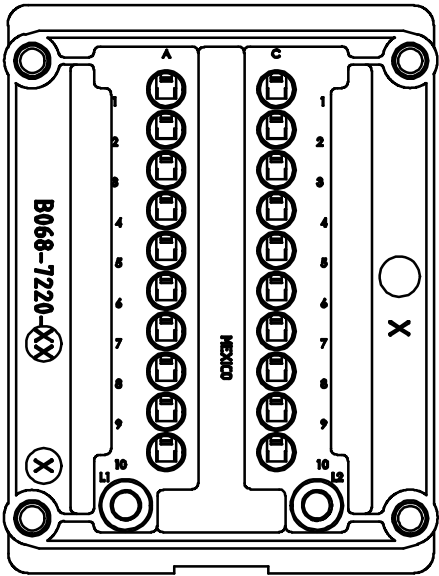
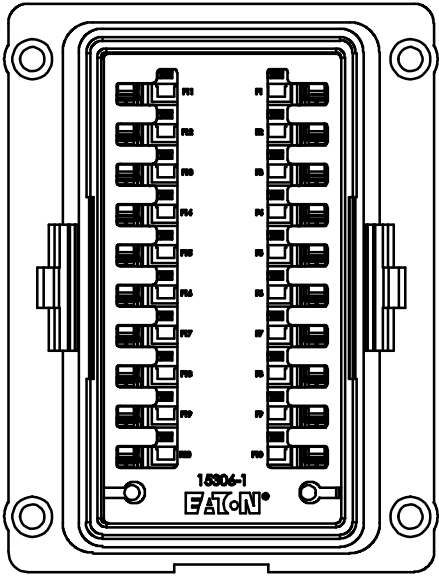
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REVISIONS				
REV.	DESCRIPTION	ECO NO	DATE	ECO BY
-	See Sheet1	-	-	-

**FOR TERMINAL REMOVAL USING
DELPHI TOOL PART # 12094430**

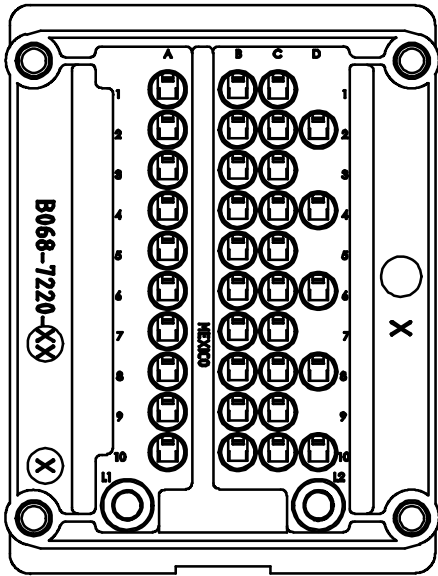
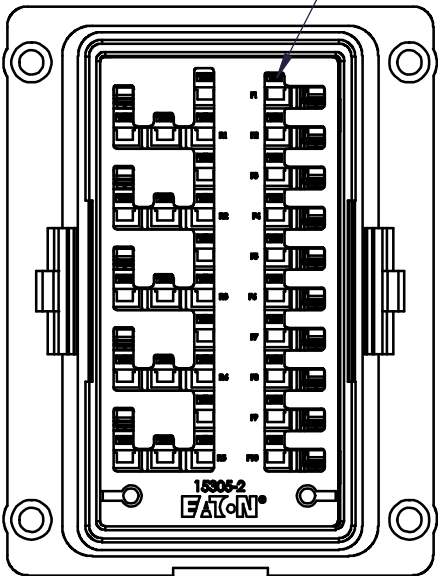
FIGURE 1



**1530X-1-X-X
FUSE BASE**

SCALE 2:3 (ALL VIEWS)

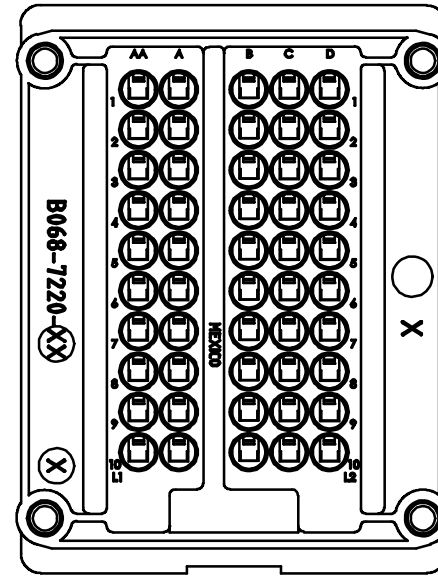
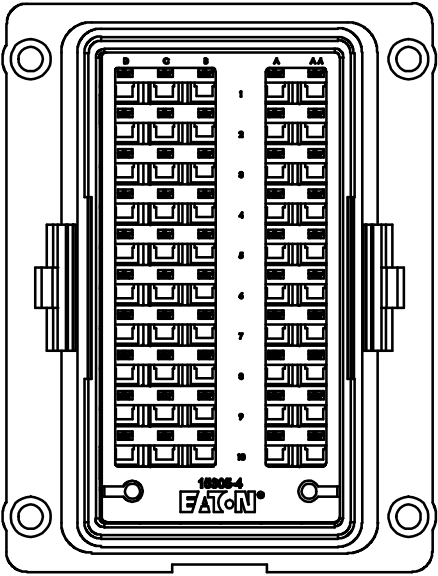
FIGURE 2



**1530X-2-X-X
1530X-3-X-X
MICRO/MINI BASE**

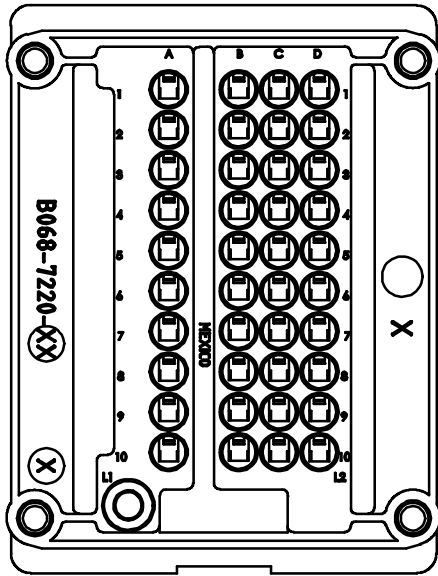
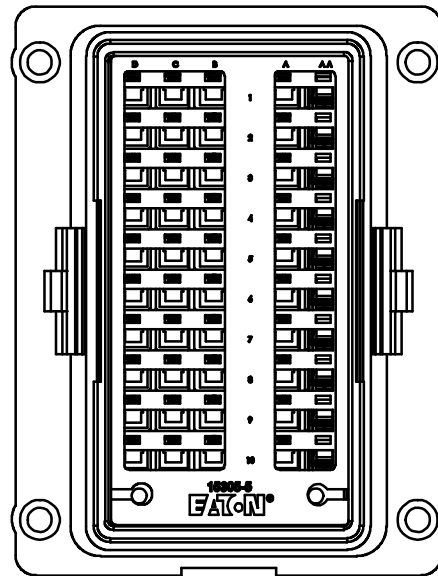
PIN 86 BUSSED

FIGURE 3



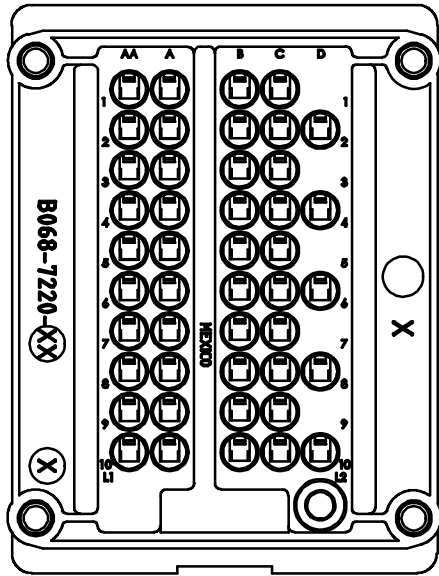
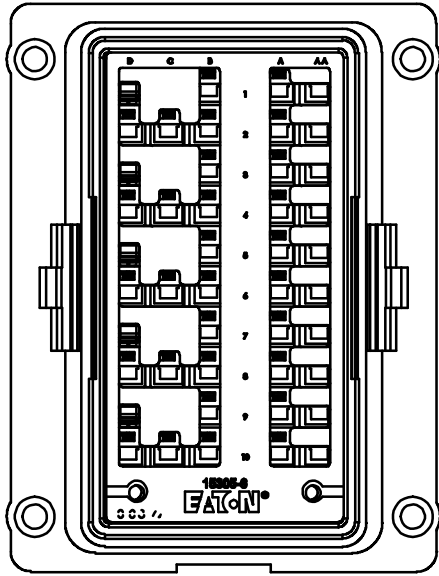
**1530X-4-X-X
WIRED BASE
(NO POWER BUSS)**

FIGURE 4



**1530X-5-X-X
WIRED BASE
(FUSE SIDE BUSS)**

FIGURE 5



**1530X-6-X-X
WIRED BASE
(RELAY SIDE BUSS)**

PIN 86 BUSSED



CPCD - TRANSPORTATION
TUALATIN, OR

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN			
INCHES		[MILLIMETERS]	
X.X	±0.1	X	±3
X.XX	±0.02	X.X	±0.5
X.XXX	±0.005	X.XX	±0.13
X°	±1		
X.X°	±0.5		



CAPSULE AROUND DIMENSION
INDICATES INCOMING INSPECTION
REQUIRED



INDICATES CRITICAL CHARACTERISTIC
(MUST MEET CPK REQUIREMENTS)

DRAWING IN ACCORDANCE WITH
ASME Y14.100 - 2013
ASME Y14.1M - 2012
STANDARDS COMPLIANCE

MATERIAL:N/A

FINISH:N/A

RELATED DOCUMENT:HIGH LVL ASSY

ENG/MFG REFERENCE

DRAFTER/DESIGNER

Albert Luu

DATE(YYYY/MM/DD)

2016/08/11

ENGINEERING APPROVED

MANUFACTURING

CHANGE RESPONSIBILITY

Tualatin

ECO No

106950

TITLE

RTMR SALES DRAWING

SIZE

B

DRAWING

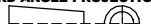
NUMBER

1530X-X-X-X-SALES

REVISION

A

THIRD ANGLE PROJECTION



PLANT CODE

CLASS CODE

SCALE

SHEET

3

1:2

2 OF 3

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THE TABLES BELOW ARE FOR REFERENCE ONLY, AND IS SUBJECT TO CHANGES BY DELPHI PACKARD.



DELPHI METRI-PACK 280 CABLE SEALS		
DELPHI PART #	CABLE DIAMETER	COLOR
12034365	1.29 - 1.70	DARK RED
12089679	1.60 - 2.15	PURPLE
12041351	2.03 - 2.42	TAN
12015323	2.03 - 2.85	GREEN
12010293	2.81 - 3.49	LIGHT GRAY
12015193	3.45 - 4.30	BLUE

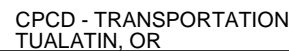


DELPHI TERMINALS, CABLE SEALS, CAVITY PLUGS AND TERMINAL REMOVAL TOOL SHOWN ARE NOT PROVIDED BY EATON.



SCALE 2:1

- NOTES:**
1. MOUNTING TORQUE:
THREADED INSERTS (#10-32 UNF) OR (M5X0.8): 18±2 IN-LBS (22 IN-LBS MAX).
INPUT STUDS (M6X1): 40±5 IN-LBS (50 IN-LBS MAX).
 2. HOUSING: 94V0 THERMOPLASTIC.
 3. INTERNAL BUS BAR: TIN PLATED COPPER.
 4. DIMENSIONS PROVIDED ARE FOR REFERENCE ONLY.
 5. IP RATING: IP66, VALID WHEN COVER, SEALED TERMINALS AND PLUGS ARE PROPERLY INSTALLED.
 6. TERMINAL REMOVAL TOOL: DELPHI PART # 12094430



UNLESS OTHERWISE SPECIFIED DIMENSIONS IN			
INCHES		[MILLIMETERS]	
X.X	±0.1	X	±3
X.XX	±0.02	X.X	±0.5
X.XXX	±0.005	X.XX	±0.13
	X°		±1
	X.X°		±0.5



DRAWING IN ACCORDANCE WITH
ASME Y14.100 - 2013
ASME Y14.1M - 2012
STANDARDS COMPLIANCE

FINISH: N/A

RELATED DOCUMENT:HIGH LVL ASSY

ENG/MFG REFERENCE

Albert Luu

CHANGE RESPONSIBILITY
Tualatin

2016/08/11

CHANGE RESPONSIBILITY
Tualatin

1

THIRD

RTMR SALES DRAWING

THIRD

1530X-X-X-X-SALES

REVISION
A

THIRD ANGLE PROJECTION

The diagram illustrates the third angle projection of a truncated cone. On the left is the front view, a trapezoid representing the cone's profile. On the right is the end view, a circle representing the cone's base. A horizontal dashed line connects the two views, indicating they are aligned. The object is positioned in the third angle, where the end view is placed between the front view and the projection plane.

CLASS CODE	3
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SCALE
1.2

SHEET
3 OF 3