PCB LAYOUT
2:1
(CONNECTOR TOP VIEW)

PANEL CUT OUT
1:1
(CONNECTOR FRONT VIEW)

MIN MOUNTING PITCH
1:1

TABLE OF PART NUMBERS

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<th>FRONT SHELL MATERIAL</th>
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<td>CLASS D</td>
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<td>RJX8FB3HB</td>
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RJ45 CONTACTS
RJ45 SHELL GROUND CONTACT
CONNECTOR LOCATION PINS

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RMS CONTACTS
RMS SHELL GROUND CONTACT
CONNECTOR LOCATION PINS

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SPECIFICATIONS:

1. MATERIALS:
   - PLASTIC INSERT & HOUSING: HIGH TEMPERATURE THERMOPLASTIC FLAMMABILITY RATING UL94V-0 DSM STANYL, 30% BLACK
   - FRONT SHELL: METAL: ZINC ALLOY ZAMAK 3, NICKEL PLATE (B TYPE) OR PLASTIC (A TYPE).
   - CONTACTS: PHOSPHORE BRONZE, 1.27 um GOLD PLATE ON MATING SURFACES, 1.27 um NICKEL MIN UNDERPLATE, 3.81 um MIN MATTE TIN ON CONTACT TAILS.
   - LATCH LOCK AND SPRING: SPRING STEEL, NICKEL PLATE.

2. ELECTRICAL CHARACTERISTICS:
   - RATED VOLTAGE: 125 VAC
   - TYPICAL CONTACT RESISTANCE: 20 mOhm
   - INSULATION RESISTANCE: >500 MOhm
   - DIELECTRIC STRENGTH: 1000 VAC, 60 SECONDS
   - TRANSMISSION SPECIFICATION/CLASS: COMPLIED TO CLASS D PER TIA/EIA-568B OR CAT5e & CAT6 PER TIA/EIA-568-C.2
   - PoE+ COMPLIES WITH 802.3at Type 2 (SEE PSE PINOUT ALTERNATIVE TABLE)

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PART No: RJX8FA5HB
APP'D: 2
SCALE: 3:2
SIZE: A3

Amphenol Australia Pty Ltd,
20 Industry Blvd, Carrum Downs
VIC 3201 Australia

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Amphenol XLRnet CONNECTOR
RJ45 HORIZONTAL
WITHOUT LED & EMI SHIELD

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REFER TO TABLE OF PART NUMBERS

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REFER SPECIFICATION XLRnet CONNECTOR
RJ45 HORIZONTAL
WITHOUT LED & EMI SHIELD

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DIMENSIONS IN MILLIMETRES

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FINISH:

APPROVED:

DATE:

DRAWING No.

SIZE:

REV:

DRAWING SHEET

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