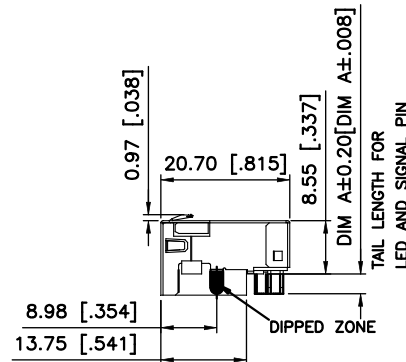


| REVISIONS |                                    |             |        |
|-----------|------------------------------------|-------------|--------|
| REV       | DESCRIPTION, ECN, EAR NO.          | DATE        | APP'D  |
| C         | PROPOSAL DRAWING                   | MAY07,2013  | L.CHAN |
| D         | CHANGE SHELL SHAPE ON THE TOP FACE | JUN03,2014  | L.CHAN |
| E         | ADD LED DESIGNATION AND PACKAGING  | MAR.16,2014 | L.CHAN |
| F         | FIX THE LED OPTIONS TO INCLUDE 0~8 | FEB.6,2018  | L.CHAN |

**NOTES:**

- ELECTRICAL:**
1. VOLTAGE RATING : 125 VAC.
  2. CURRENT RATING : 1.25 AMP.
  3. INSULATING RESISTANCE : 500 MEGOHMS MINIMUM.
  4. DIELECTRIC STRENGTH : 1000 VAC 60HZ, 1MIN.
  5. CATEGORY 5e CHARACTERISTIC:

| Frequency<br>MHz | Near-End Crosstalk<br>dB, MIN. | Return Loss<br>dB, MIN. | Attenuation<br>dB, MAX. |
|------------------|--------------------------------|-------------------------|-------------------------|
| 1.0              | 65                             | 30                      | 0.1                     |
| 4.0              | 65                             | 30                      | 0.1                     |
| 8.0              | 64.9                           | 30                      | 0.1                     |
| 10.0             | 63                             | 30                      | 0.1                     |
| 16.0             | 58.9                           | 30                      | 0.2                     |
| 20.0             | 57                             | 30                      | 0.2                     |
| 25.0             | 55                             | 30                      | 0.2                     |
| 31.25            | 53.1                           | 30                      | 0.2                     |
| 62.5             | 47.1                           | 24.1                    | 0.3                     |
| 100.0            | 43                             | 20                      | 0.4                     |

**MECHANICAL:**

1. SHIELD : STAINLESS STEEL, WITH TIN-DIP ON SOLDER TABS.  
2. HOUSING : HIGH TEMP THERMOPLASTIC, UL 94V-0.  
3. INSERT : HIGH TEMP THERMOPLASTIC UL 94V-0.  
4. PCB : FR-4.  
5. CONTACT : PHOSPHOR BRONZE.  
SELECTIVE GOLD PLATING FOR MATING SURFACE,  
SEE AMPHENOL PART NUMBER FOR DETAIL.  
100u" NICKEL UNDERPLATE  
500u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.

ENVIRONMENTAL:

1. STORAGE : -40° TO +85°.  
2. OPERATION : -40° TO +85°.  
MATES WITH MODULAR PLUG CONFORMING TO TIA 1096.  
RECOMMENDED SOLDER PROCESS: WAVE SOLDER, PEAK TEMPERATURE  
260° FOR 5 SECOND MAXIMUM.

AMPHENOL PART NUMBER: RJE72-488-1XXX

GOLD PLATING OPTION \_\_\_\_\_

1=6u" [0.15 MICRONS] GOLD PLATING

OPTIONS (SEE BELOW TABLE 1)  
REFER TO LED OPTIONS  
IN NEXT PAGE

|        |                |              |
|--------|----------------|--------------|
| 1=6u"  | [0.15 MICRONS] | GOLD PLATING |
| 2=15u" | [0.38 MICRONS] | GOLD PLATING |
| 3=30u" | [0.76 MICRONS] | GOLD PLATING |
| 4=50u" | [1.27 MICRONS] | GOLD PLATING |

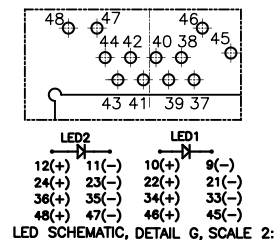
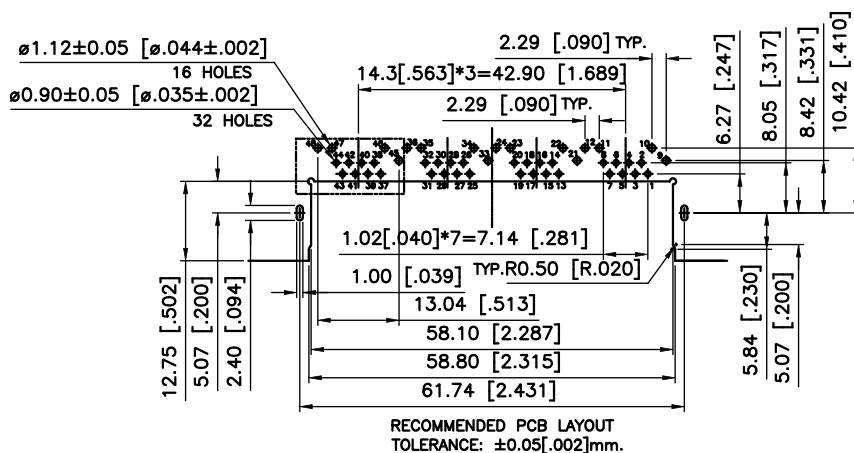
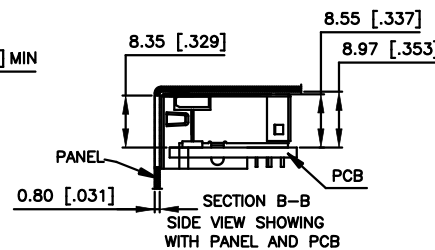
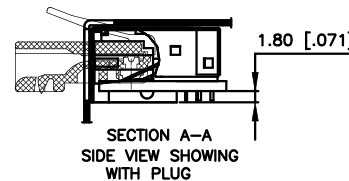
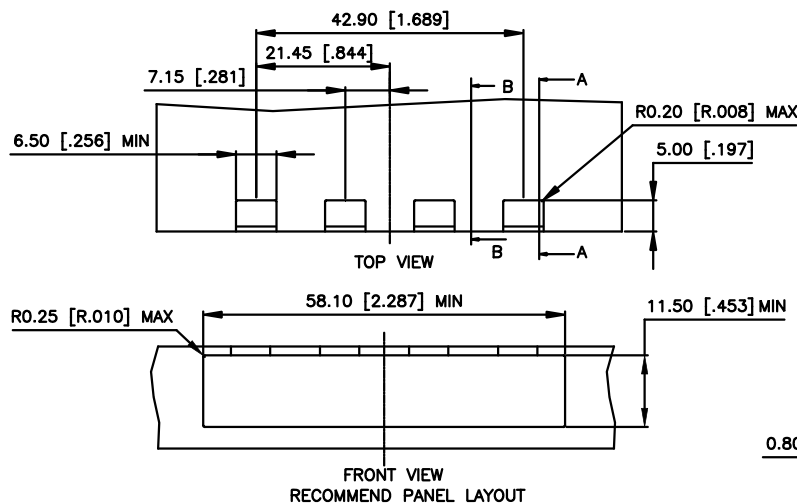
|               |            |                         |
|---------------|------------|-------------------------|
| RJE724881XX1  | 3.18[.125] | 2.36[.093]              |
| RJE724881XX2  | 2.27[.089] | 1.57[.062]              |
| RJE724881XX3  | 2.16[.085] | 1.57[.062]              |
| AMPHENOL P/N: | DIM A      | RECOMMEND PCB THICKNESS |

Amphenol Canada Corp.  
www.amphenolcanada.com

MODULAR JACK, 1X4 PORTS, 8 POSITIONS, 8 CONTACTS,  
SHIELDED WITH TOP & SIDE TABS, WITH LED,  
SINK PCB TYPE, TAB UP, CAT5e

|         |                  |          |
|---------|------------------|----------|
| DWG NO. | P-RJE72-488-1XXX | REV<br>F |
|---------|------------------|----------|

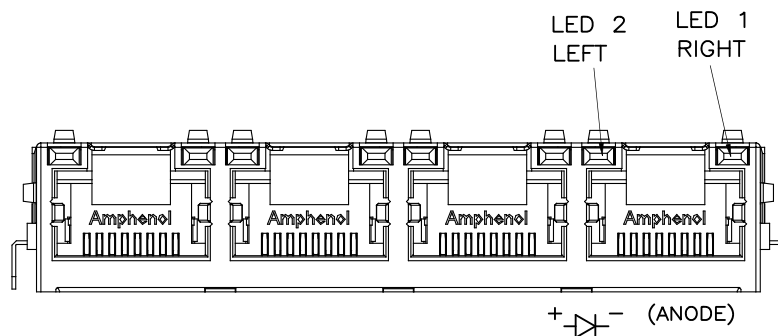
|      |              |             |            |              |
|------|--------------|-------------|------------|--------------|
| CODE | ID NO. 03554 | DWG SIZE: C | SCALE: N/A | SHEET 1 OF 3 |
|------|--------------|-------------|------------|--------------|



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|                            |                                                                                       |           |             |
|----------------------------|---------------------------------------------------------------------------------------|-----------|-------------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                                                                                 | HUGH WANG | FEB 22 2011 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                                                                               | L.CHAN    | FEB 22 2011 |
| SECONDARY INCHES           | M.E. APP'D                                                                            |           |             |
| REFERENCE IN PARENTHESSES  | Q.A. APP'D                                                                            |           |             |
| GENERAL TOLERANCES FOR MM  | DWG APP'D                                                                             | ADRIAN.G  | FEB 22 2011 |
| 1 DECIMAL PLACE $\pm 0.50$ | ENG. REL. NO.                                                                         |           |             |
| 2 DECIMAL PLACE $\pm 0.30$ | REF.                                                                                  |           |             |
| 3 DECIMAL PLACE $\pm 0.10$ | THIRD ANGLE PROJECTION                                                                |           |             |
| ANGULAR DEGREES $\pm 3'$   |  |           |             |
|                            | DO NOT SCALE DRAWING                                                                  |           |             |

| REVIEWS |                           |      |       |
|---------|---------------------------|------|-------|
| REV     | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
|         |                           |      |       |



TYPICAL FOR SINGLE & MULTI-PORT

#### LED SPECIFICATIONS:

FORWARD VOLTAGE: 2.1 VOLTS TYP.

REVERSE VOLTAGE: 5.0 VOLTS MIN.

LUMINOUS INTENSITY: 0.5 mCd MIN.

(AT If=2mA)

STORAGE TEMPERATURE: -40° TO 85° C

LEAD SOLDERING TEMPERATURE: 260° C

(5 SEC, 1/16" FROM CASE)

PLATING ON TAILS: TIN OR TIN/COPPER  
ALLOY OVER SILVER

#### EXAMPLE:

PART NUMBER RJE72-X88-1XXX

LED COLOR CODE

| CODE | LED 2 (LEFT) | LED 1 (RIGHT) | CODE | LED 2 (LEFT) | LED 1 (RIGHT) | CODE | LED 2 (LEFT) | LED 1 (RIGHT) |
|------|--------------|---------------|------|--------------|---------------|------|--------------|---------------|
| 0    | BLOCKED      | BLOCKED       | 9    | GREEN        | BLOCKED       | J    | BiC RD/GR    | YELLOW        |
| 1    | YELLOW       | GREEN         | A    | BiC GR/YE    | BiC GR/YE     | K    | YELLOW       | BiC GR/OR     |
| 2    | BLOCKED      | GREEN         | B    | BiC RD/GR    | BiC RD/GR     | L    | BiC GR/YE    | RED           |
| 3    | YELLOW       | BLOCKED       | C    | BiC RD/GR    | BiC GR/YE     | M    | RED          | YELLOW        |
| 4    | GREEN        | YELLOW        | D    | GREEN        | BiC GR/YE     | P    | GREEN        | BiC RD/GR     |
| 5    | GREEN        | GREEN         | E    | YELLOW       | BiC GR/YE     | R    | BiC GR/OR    | GREEN         |
| 6    | YELLOW       | YELLOW        | F    | BiC GR/YE    | YELLOW        | T    | RED          | RED           |
| 7    | RED          | GREEN         | G    | BiC GR/OR    | BiC GR/OR     | V    | BiC RD/GR    | GREEN         |
| 8    | GREEN        | RED           | H    | BiC GR/YE    | GREEN         |      |              |               |

PRIMARY COLOR FOR BI-COLOR

LEDS IN STANDARD ANODE/  
CATHODE CONFIGURATION IS:

RED-GREEN= RED

RED-YELLOW= RED

GREEN-YELLOW= GREEN

GREEN-ORANGE= GREEN

#### LEGEND

BiC=BI-COLOR LED

LOWC=LOW CURRENT LED

YE=YELLOW

GR=GREEN

RD=RED

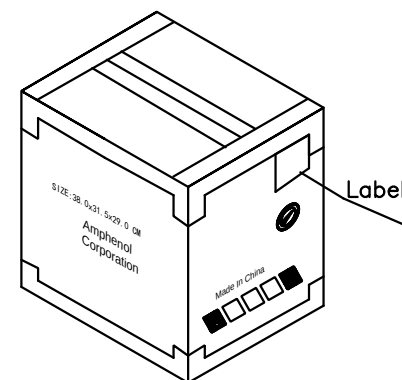
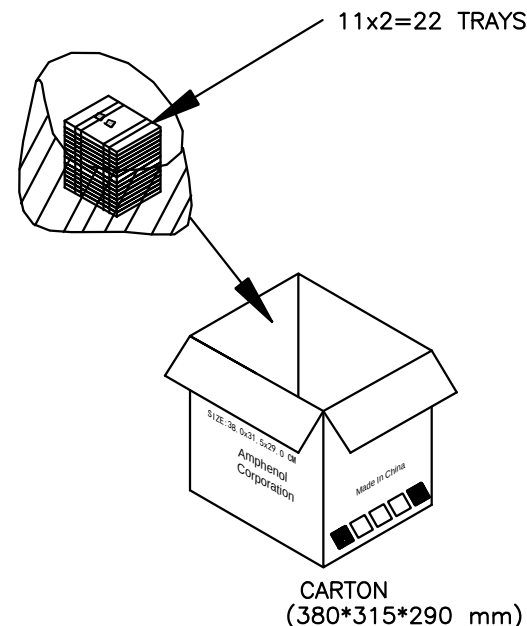
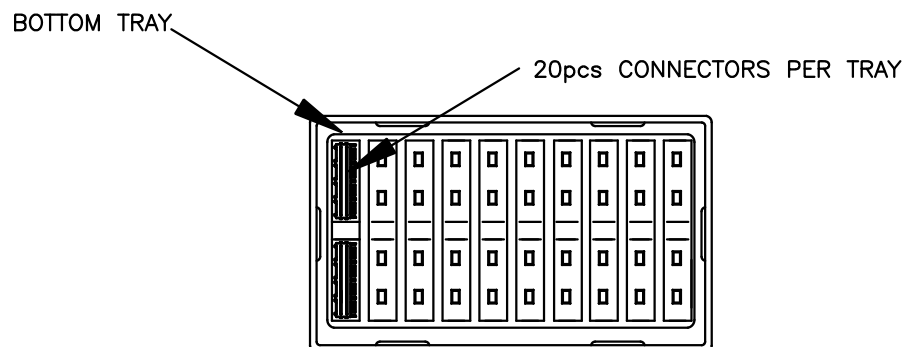
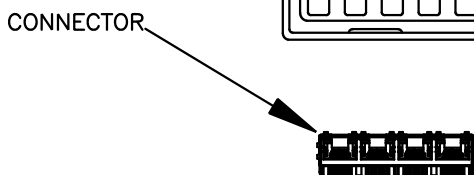
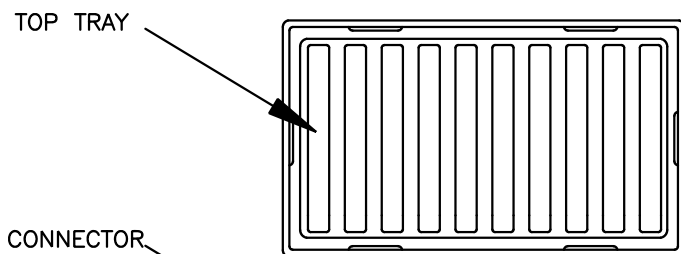
OR=ORANGE

#### NOTE:

THE TWO DIGITS PRECEDING THE  
ADDITIONAL LED CODE MUST BE  
USED IN THE PART NUMBER, WHEN  
ORDERING ANY OF THE ADDITIONAL  
LED OPTIONS.

|                            |  |  |                                       |  |                                                                                                                               |              |
|----------------------------|--|--|---------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| UNLESS SPECIFIED OTHERWISE |  |  | DRAWN <i>HUGH WANG</i> FEB 22.2012    |  | Amphenol Canada Corp.<br>www.amphenolcanada.com                                                                               |              |
| PRIMARY UNITS MILLIMETERS  |  |  | CHECKED <i>L.CHAN</i> FEB 22.2012     |  |                                                                                                                               |              |
| SECONDARY INCHES           |  |  | M.E. APP'D                            |  | MODULAR JACK, 1X4 PORTS, 8 POSITIONS, 8 CONTACTS,<br>SHIELDED WITH TOP & SIDE TABS, WITH LED,<br>SINK PCB TYPE, TAB UP, CAT5e |              |
| REFERENCE IN PARENTHESES   |  |  | Q.A. APP'D                            |  |                                                                                                                               |              |
| GENERAL TOLERANCES FOR MM  |  |  | DWG APP'D <i>ADRIAN.G</i> FEB 22.2012 |  | DWG NO. <b>P-RJE72-488-1XXX</b>                                                                                               |              |
| 1 DECIMAL PLACE ±0.50      |  |  | ENG. REL. NO.                         |  |                                                                                                                               |              |
| 2 DECIMAL PLACE ±0.30      |  |  | REF.                                  |  | DO NOT SCALE DRAWING                                                                                                          |              |
| 3 DECIMAL PLACE ±0.10      |  |  | THIRD ANGLE PROJECTION                |  |                                                                                                                               |              |
| ANGULAR DEGREES ±3°        |  |  |                                       |  | CODE ID NO. 03554                                                                                                             | DWG SIZE: C  |
|                            |  |  |                                       |  | SCALE: N/A                                                                                                                    | SHEET 2 OF 3 |

| REVISIONS |                           |      |       |
|-----------|---------------------------|------|-------|
| REV       | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
|           |                           |      |       |



|                                    |                     |
|------------------------------------|---------------------|
| (P) Customer Part#: RNN64011840B   |                     |
| (LP) Manuf. Part#: RJE72-488-1XXX  |                     |
| (T) Lot#: XXXXXX                   |                     |
| (L1D) Date Code: YYMM              | (Q) Qty: XXXX       |
| (V) Supplier Code: 03554           | (4L) Made in: CHINA |
| Product Desc: RJHS RJ45 JACK CAT5e |                     |

SCALE 2:1

- NOTES:
1. FINISHED CONNECTORS (AFTER FINAL INSPECTION) TO BE PACKED INTO CONDUCTIVE HIPS TRAYS, 20 CONNECTORS PER TRAY.
  2. 22 (11X2) TRAYS LOADED WITH 440PCS CONNECTORS TO BE PACKED INTO PE BAG, MUST SEAL PE BAG.
  3. TRAYS & CARTONS MATERIAL MUST BE ABLE TO WITHSTAND IMPACT DURING PRODUCT TRANSPORTATION TO PREVENT ANY DAMAGE TO FINISHED CONNECTORS.
  4. EACH TRAY AND CARTON OF PARTS TO BE LABELLED WITH AMPHENOL CANADA PART NUMBER, DATE CODE, QUANTITY, COUNTRY OF ORIGIN, AND CSA/UL LOGO WHEN APPROVED. THE PART NUMBER AND QUANTITY SHALL BE BOTH HUMAN & BAR CODE READABLE.

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|                            |  |                        |           |              |                                                                                                                         |  |
|----------------------------|--|------------------------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------|--|
| UNLESS SPECIFIED OTHERWISE |  | DRAWN                  | HUGH WANG | FEB 22, 2012 | Amphenol Canada Corp.<br>www.amphenolcanada.com                                                                         |  |
| PRIMARY UNITS MILLIMETERS  |  | CHECKED                | L.CHAN    | FEB 22, 2012 |                                                                                                                         |  |
| SECONDARY INCHES           |  | M.E. APP'D             |           |              | MODULAR JACK, 1X4 PORTS, 8 POSITIONS, 8 CONTACTS, SHIELDED WITH TOP & SIDE TABS, WITH LED, SINK PCB TYPE, TAB UP, CAT5e |  |
| REFERENCE IN PARENTHESES   |  | Q.A. APP'D             |           |              |                                                                                                                         |  |
| GENERAL TOLERANCES FOR MM  |  | DWG APP'D              | ADRIAN.G  | FEB 22, 2012 | DWG NO. P-RJE72-488-1XXX                                                                                                |  |
| 1 DECIMAL PLACE ±0.50      |  | ENG. REL. NO.          |           |              |                                                                                                                         |  |
| 2 DECIMAL PLACE ±0.30      |  | REF.                   |           |              | CODE ID NO. 03554 DWG SIZE: C SCALE: N/A SHEET 3 OF 3                                                                   |  |
| 3 DECIMAL PLACE ±0.10      |  | THIRD ANGLE PROJECTION |           |              |                                                                                                                         |  |
| ANGULAR DEGREES ±3°        |  | DO NOT SCALE DRAWING   |           |              |                                                                                                                         |  |

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## Amphenol:

|                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <a href="#"><u>RJE724881411</u></a> | <a href="#"><u>RJE724881451</u></a> | <a href="#"><u>RJE724881401</u></a> | <a href="#"><u>RJE7248814A1</u></a> | <a href="#"><u>RJE7248814B1</u></a> | <a href="#"><u>RJE724881441</u></a> | <a href="#"><u>RJE724881311</u></a> |
| <a href="#"><u>RJE724881352</u></a> | <a href="#"><u>RJE724881252</u></a> | <a href="#"><u>RJE724881443</u></a> | <a href="#"><u>RJE724881453</u></a> | <a href="#"><u>RJE724881452</u></a> | <a href="#"><u>RJE724881351</u></a> | <a href="#"><u>RJE724881422</u></a> |
| <a href="#"><u>RJE7248814M1</u></a> | <a href="#"><u>RJE7248811G1</u></a> | <a href="#"><u>RJE724881261</u></a> | <a href="#"><u>RJE7248814P2</u></a> | <a href="#"><u>RJE7248813C1</u></a> | <a href="#"><u>RJE7248812C3</u></a> | <a href="#"><u>RJE7248813B1</u></a> |
| <a href="#"><u>RJE7248813J3</u></a> | <a href="#"><u>RJE7248812P3</u></a> | <a href="#"><u>RJE7248812A2</u></a> | <a href="#"><u>RJE724881122</u></a> | <a href="#"><u>RJE7248813N1</u></a> | <a href="#"><u>RJE724881153</u></a> | <a href="#"><u>RJE724881292</u></a> |
| <a href="#"><u>RJE7248811K2</u></a> | <a href="#"><u>RJE7248811N3</u></a> | <a href="#"><u>RJE7248811F1</u></a> | <a href="#"><u>RJE724881222</u></a> | <a href="#"><u>RJE724881182</u></a> | <a href="#"><u>RJE724881492</u></a> | <a href="#"><u>RJE724881301</u></a> |
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| <a href="#"><u>RJE7248813K3</u></a> | <a href="#"><u>RJE7248812B2</u></a> | <a href="#"><u>RJE724881343</u></a> | <a href="#"><u>RJE7248813D1</u></a> | <a href="#"><u>RJE724881171</u></a> | <a href="#"><u>RJE724881101</u></a> | <a href="#"><u>RJE7248811D3</u></a> |
| <a href="#"><u>RJE724881163</u></a> | <a href="#"><u>RJE7248814H3</u></a> | <a href="#"><u>RJE7248814T2</u></a> | <a href="#"><u>RJE7248812E3</u></a> | <a href="#"><u>RJE7248813H2</u></a> | <a href="#"><u>RJE7248814J3</u></a> | <a href="#"><u>RJE7248814A3</u></a> |
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| <a href="#"><u>RJE724881253</u></a> | <a href="#"><u>RJE7248812V3</u></a> | <a href="#"><u>RJE7248812K1</u></a> | <a href="#"><u>RJE7248811L2</u></a> | <a href="#"><u>RJE7248814C1</u></a> | <a href="#"><u>RJE7248814F2</u></a> | <a href="#"><u>RJE7248812A1</u></a> |
| <a href="#"><u>RJE7248813V1</u></a> | <a href="#"><u>RJE7248811M2</u></a> | <a href="#"><u>RJE7248813A3</u></a> | <a href="#"><u>RJE724881211</u></a> | <a href="#"><u>RJE724881461</u></a> | <a href="#"><u>RJE724881281</u></a> | <a href="#"><u>RJE7248811V3</u></a> |
| <a href="#"><u>RJE724881481</u></a> | <a href="#"><u>RJE7248814G2</u></a> | <a href="#"><u>RJE7248811T3</u></a> | <a href="#"><u>RJE7248813R1</u></a> | <a href="#"><u>RJE7248811B2</u></a> | <a href="#"><u>RJE724881181</u></a> | <a href="#"><u>RJE7248813L3</u></a> |
| <a href="#"><u>RJE7248814R1</u></a> | <a href="#"><u>RJE7248811R3</u></a> | <a href="#"><u>RJE724881372</u></a> | <a href="#"><u>RJE7248813G1</u></a> | <a href="#"><u>RJE7248813B3</u></a> | <a href="#"><u>RJE7248813J2</u></a> | <a href="#"><u>RJE7248812M1</u></a> |
| <a href="#"><u>RJE7248814L3</u></a> | <a href="#"><u>RJE724881431</u></a> |                                     |                                     |                                     |                                     |                                     |