

SOCKET/FEMALE CONTACT CAVITY IDENTIFICATION ON REAR

PIN/MALE CONTACT CAVITY IDENTIFICATION ON REAR

NOTES: 2:1

1. MARKED WITH DEUTSCH PART No., DEUTSCH (HASTINGS) CAGE CODE AND DATE CODE.

PART NUMBER EXAMPLE:

D369 - R 9 9 - N S 1

BASIC PART No. \_\_\_\_\_  
SHELL STYLE (R = INLINE RECEPTACLE) \_\_\_\_\_  
SHELL SIZE \_\_\_\_\_  
CONTACT QTY (9 = 9 x #22's) \_\_\_\_\_  
CONTACT CONFIGURATION 4. \_\_\_\_\_  
CONTACT TYPE (P = PIN, S = SKT) \_\_\_\_\_  
SHELL KEYING \_\_\_\_\_

2. PERFORMANCE:  
TEMPERATURE RANGE : -55°C TO +175°C. INSULATION RESISTANCE : ≥5000 MΩ.  
DIELECTRIC WITHSTAND: 1000VRMS, <2mA. SEALING: 15KM(50000FT) ALTITUDE / IP67  
DURABILITY : 500 MATING CYCLES MIN. FLUID RESISTANCE: I.A.W. EN2591-315.  
FLAMMABILITY, SMOKE AND TOXICITY: I.A.W. FAR 25.853 APPENDIX F.

3. INSERTION/EXTRACTION TOOL (M81969/14-01 OR EQUIVALENT) SUPPLIED SEPARATELY.

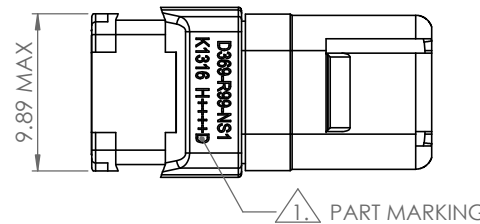
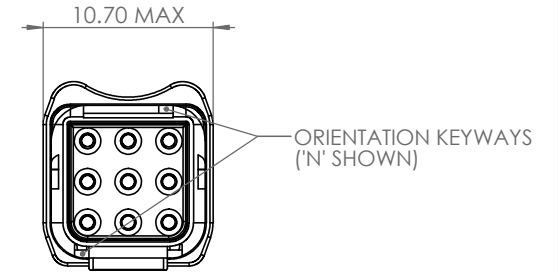
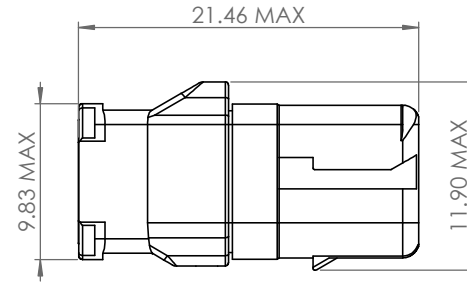
| 4. Contact Configuration | Contact Description                | Contact P/N (OR EQUIVALENT) |             | Crimp Positioner |             | Crimp Tool  | Wire Accommodation | Current Rating |
|--------------------------|------------------------------------|-----------------------------|-------------|------------------|-------------|-------------|--------------------|----------------|
|                          |                                    | Pin                         | Socket      | Pin              | Socket      |             |                    |                |
| 0                        |                                    | NO CONTACTS SUPPLIED        |             |                  |             |             |                    |                |
| 1                        | CRIMP, COPPER WIRE                 | 38941-22                    | 38946-22    | M22520/2-09      | M22520/2-06 | M22520/2-01 | 22-28 AWG          | 5A (22 AWG)    |
| 2                        | CRIMP, ALUMINIUM WIRE              | 200-1042-22                 | 200-1142-22 | KAL2             |             | ALNP 22-A   | 22 AWG             | 5A             |
| 3                        | CRIMP, COPPER WIRE (ENLARGED WIRE) | 182-0860-22                 | 182-0862-22 | M22520/2-09      | M22520/2-06 | M22520/2-01 | 20-24 AWG          | 5A (20 AWG)    |

5. MATERIALS:

| COMPONENT                | MATERIAL (FINISH: NONE IN ALL CASES)   |
|--------------------------|--|
| SEALS                    | SILICONE / FLUOROSILICONE BLEND RUBBER PER AMS-R-25988 TYPE II, CLASS I, GRADE 40                            |
| BODY / INSERT COMPONENTS | POLYETHERIMIDE, 10% GLASS FILLED PER ASTM D 5205<br>or<br>POLYETHERETHERKETONE, 450G, PER MIL-P-46183 TYPE I |

6. MAXIMUM WEIGHT (WITHOUT CONTACTS):  
2.0g (SKT INSERT), 1.9g (PIN INSERT).

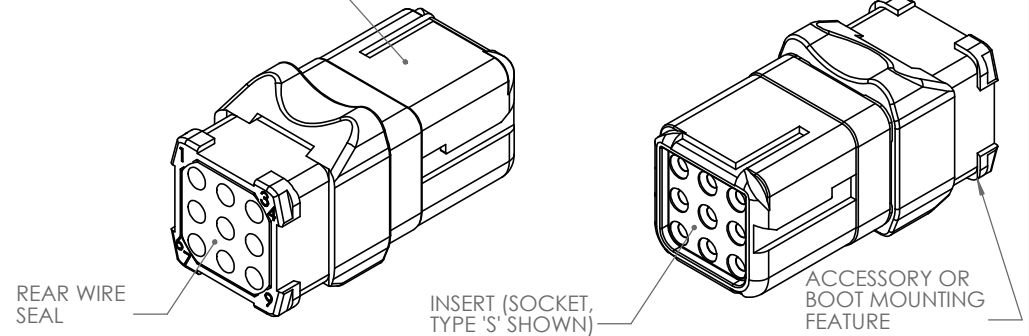
|       |             |       |         |           |                |            |
|-------|-------------|-------|---------|-----------|----------------|------------|
| AB    | DUK-65685   | RBC   | HD      | RBC       | GLB            | 12/06/2015 |
| ISSUE | CHANGE NOTE | DRAWN | CHECKED | APP. ENG. | APP. MARKETING | DATE       |



KEYWAY TABLE

| ORIENTATION | COLOUR     |
|-------------|------------|
| N           | BLACK      |
| A           | DARK RED   |
| B           | DARK BLUE  |
| C           | DARK GREEN |
| D           | YELLOW     |

SHELL COLOUR IS KEYING DEPENDENT (SEE TABLE)



|   |           |  |  |
|---|-----------|--|--|
| MATERIAL  | SEE NOTES | THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES (TE). IT MAY NOT BE DISCLOSED TO ANYONE, OTHER THAN TE PERSONNEL, WITHOUT AUTHORIZATION FROM TE (www.TE.com). | <br>ST LEONARDS ON SEA, EAST SUSSEX, TN38 9RF<br>TEL. +44 (0)1424 852721 |
| HEAT TREATMENT & FINISH                           | PACKAGING |  |  |
| SCALE   | 3:1       |  |  |
| DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED |           | TITLE: D369 INLINE RECEPTACLE, SHELL SIZE 9, 9 WAY   | DRAWING NUMBER: 611253-9-ENV   |