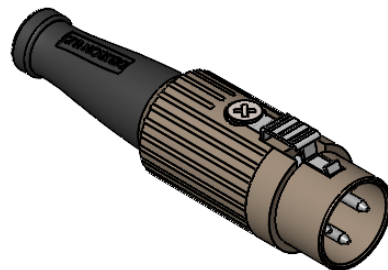
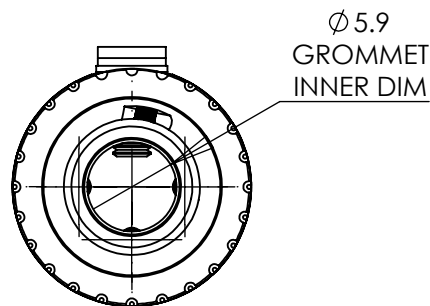
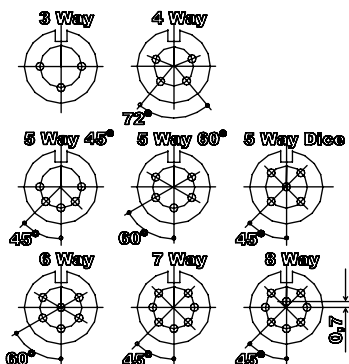
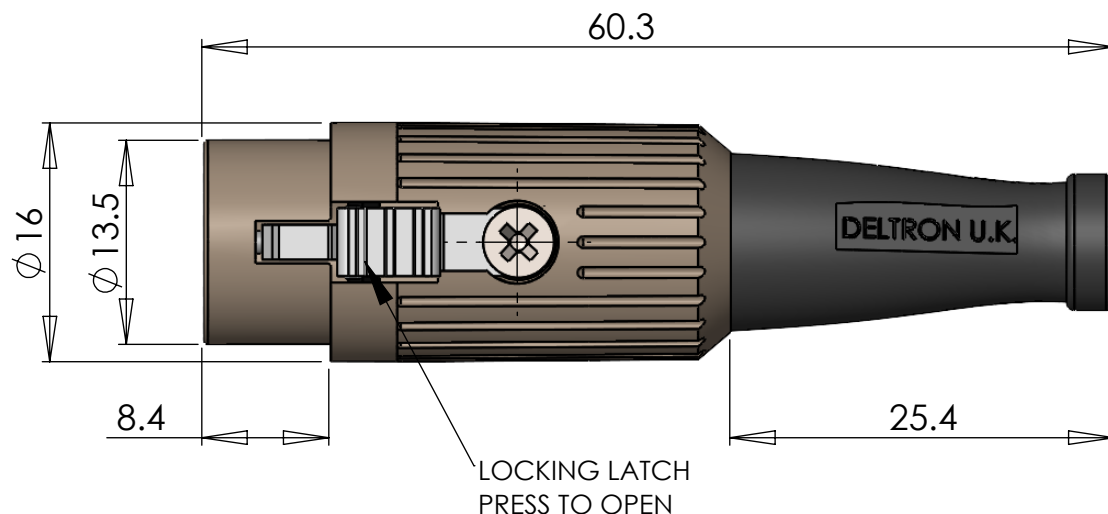


A FULLY SCREENED ROBUST RANGE OF DIN CONNECTORS  
FOR USE IN INSTRUMENTATION AND AUDIO APPLICATIONS.  
AVAILABLE IN TWO FINISHES;  
BRIGHT NICKEL AND BLACK CHROME.  
ROBUST CONSTRUCTION INCORPORATING  
CABLE GRIP AND STRAIN RELIEF.

MANUFACTURED TO DIN 41524, 45322, 45326, 45327 AND 45329.



#### DIMENSIONS



#### MATERIALS

|                |                                         |
|----------------|-----------------------------------------|
| HOUSING        | MAZAK                                   |
| HOUSING FINISH | BRIGHT NICKEL PLATED<br>OR BLACK CHROME |
| MOULDING       | NYLON                                   |
| CONTACTS       | BRASS CZ121, SILVER PLATED              |
| CABLE CLAMP    | MILD STEEL, SILVER PLATED               |
| GROMMET        | BLACK PVC                               |
| LOCKING LATCH  | SPRING STEEL, NICKEL PLATED             |
| SCREW          | MILD STEEL, NICKEL PLATED               |

#### ELECTRICAL

|                       |                       |
|-----------------------|-----------------------|
| RATED VOLTAGE         | 34V A/C or D/C        |
| CURRENT RATING        | 2 AMP                 |
| TEST VOLTAGE          | 500V r.m.s            |
| INSULATION RESISTANCE | 103 MΩ MIN AT 100V DC |
| CONTACT RESISTANCE    | 10mΩ MAX              |
| CAPACITANCE (MATED)   | 3 pF                  |

#### CLIMATIC

|                         |                   |
|-------------------------|-------------------|
| CLIMATIC CATEGORY       | 25/070/21         |
| TEMPERATURE RANGE       | -25°C TO +70°C    |
| DAMP HEAT, STEADY STATE | 21 DAYS           |
| RECOMMENDED CABLE SIZE  | 24-28 AWG         |
| CONDUCTOR SIZE          | Ø 0.75mm - MAX    |
| PIN SOLDER BUCKET       | Ø 1mm +0.1mm/-0.0 |

| TYPE      | PART NUMBER |          |
|-----------|-------------|----------|
|           | NICKEL      | BLACK    |
| 3 WAY     | 590-0300    | 591-0300 |
| 4 WAY     | 590-0400    | 591-0400 |
| 5 WAY 45° | 590-0500    | 591-0500 |
| 5 WAY 60° | 590-0510    | 591-0510 |
| 5 WAY     | 590-0520    | 591-0520 |
| 6 WAY     | 590-0600    | 591-0600 |
| 7 WAY     | 590-0700    | 591-0700 |
| 8 WAY     | 590-0800    | 591-0800 |

#### PROPRIETARY AND CONFIDENTIAL:

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ALPHA 3 MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ALPHA 3 MANUFACTURING IS PROHIBITED.

DEM Manufacturing is a division of Alpha 3 Manufacturing LTD  
DEM Manufacturing, Deltron Emcon House, Hargreaves Way,  
Sawcliffe Ind. Park, Scunthorpe, North Lincolnshire, DN15 8RF, UK

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETRES  
LINEAR & RADIAL TOLERANCE:

#### GENERAL SPECIFICATION ONLY

#### IF IN DOUBT ASK! DO NOT SCALE DRAWING!

|                                                                                                                                                                |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FINISH                                                                                                                                                         | SEE NOTE |
| MATERIAL                                                                                                                                                       | SEE NOTE |
| THE FINISHED PRODUCT SHOULD BE CLEAN AND FREE FROM ALL LIQUIDS AND DEBRIS. SURFACES SHOULD BE OF UNIFORM APPEARANCE FREE FROM SHARP EDGES, BURRS AND CORROSION |          |

AUTHOR

EDITOR

APPROVER

THIRD ANGLE PROJECTION

SB

DT

DT

SCALE 1:1

A4

TITLE

FILE

PART

ISSUE/REV.

EDIT DATE

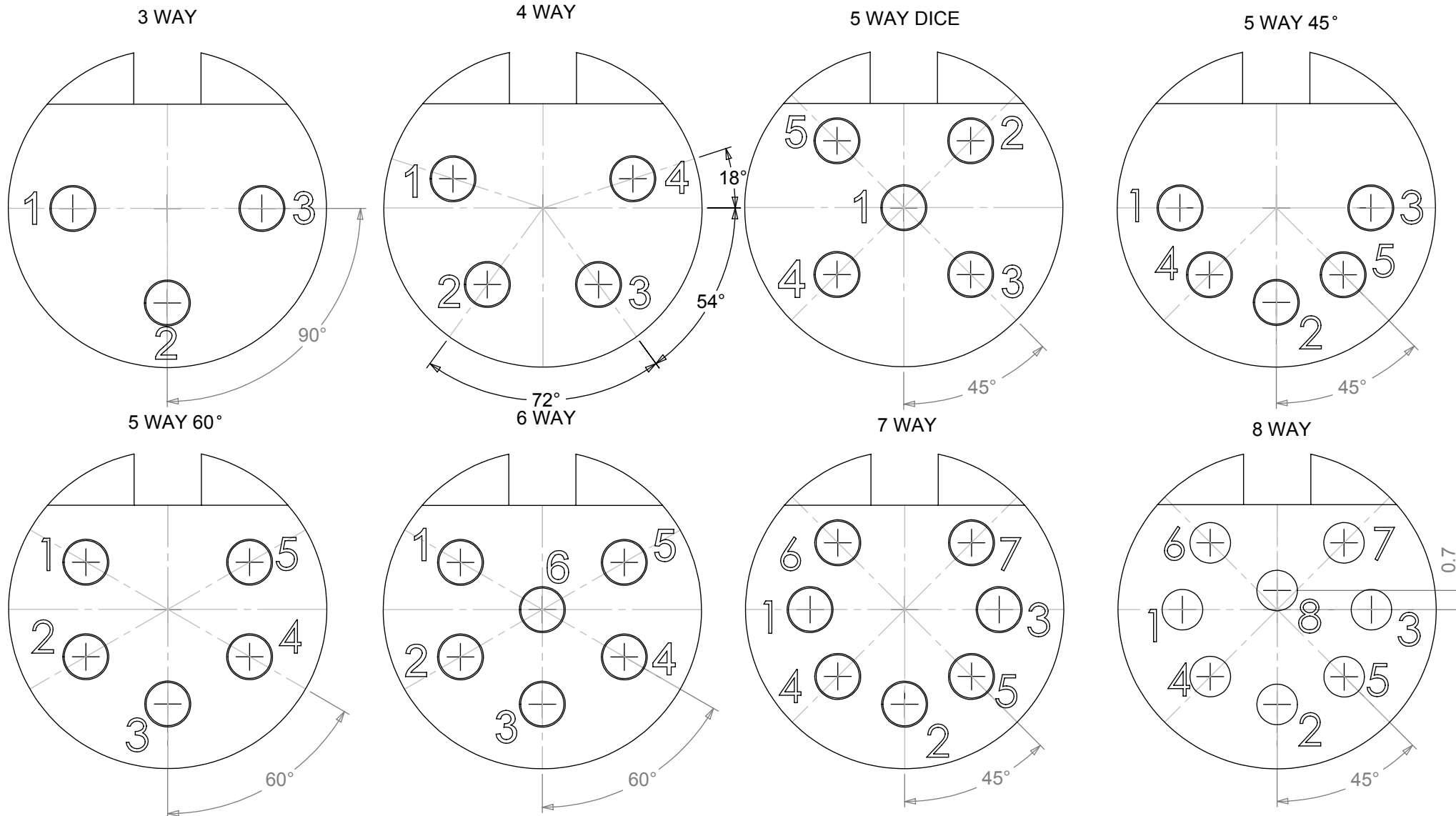
RELEASED

RELEASE DATE

17/06/2021

17/06/2021

# **PIN VARIATIONS USED IN: 590 / 591 / 592 / 600 / 601 / 610 / 611 - DIN PLUG CONNECTORS**



**MANUFACTURED TO DIN STANDARD 41524, 45322, 45326, 45327 AND 45329**