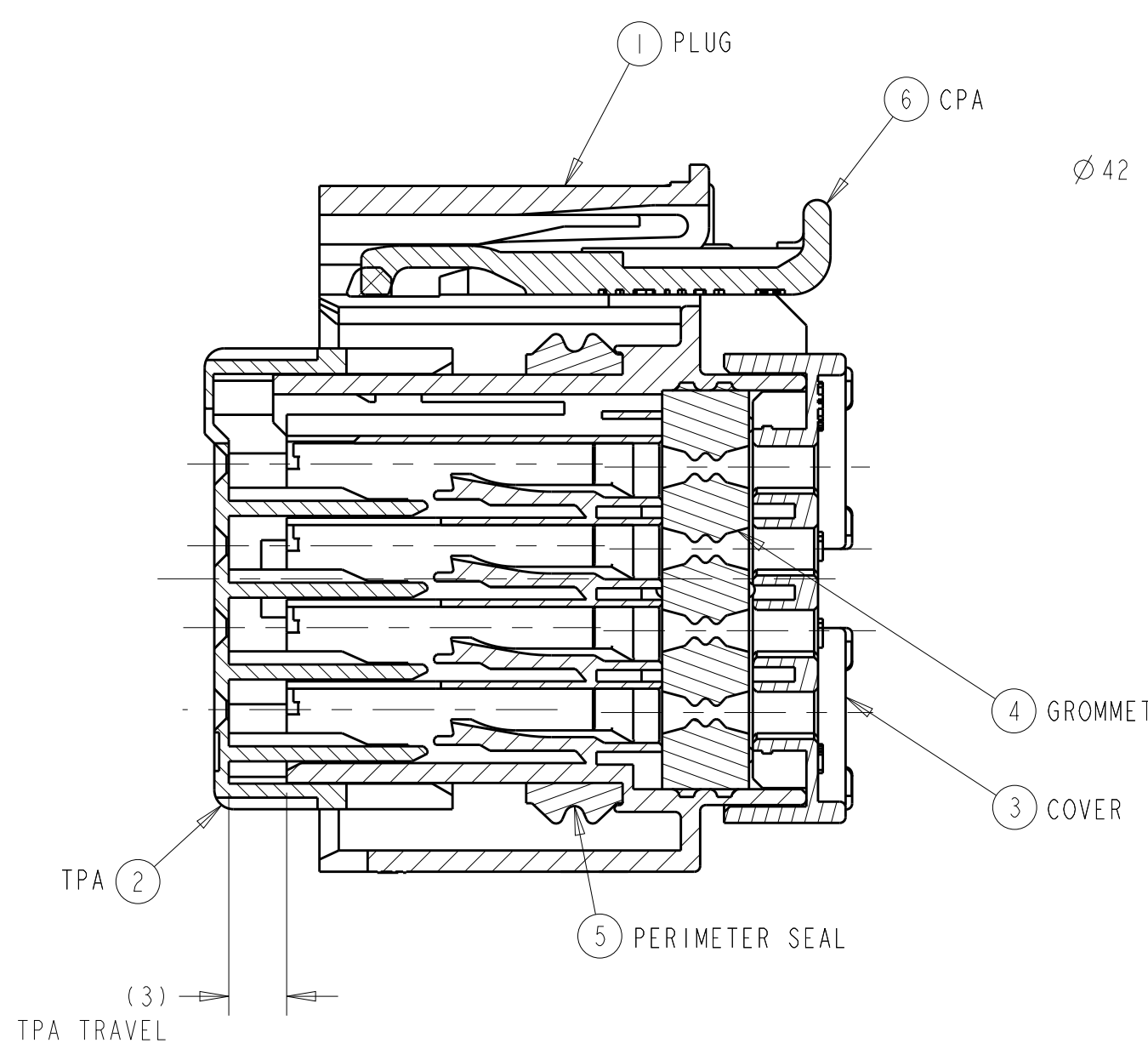
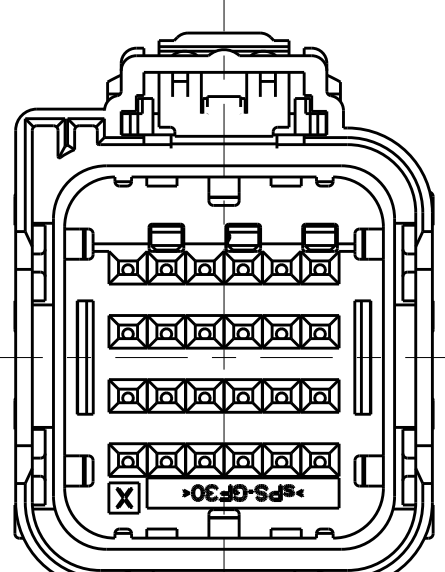


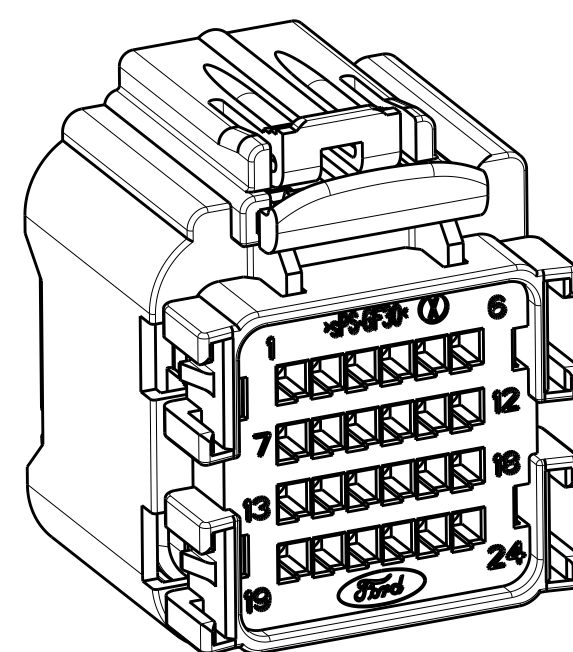
### OPTION "F"



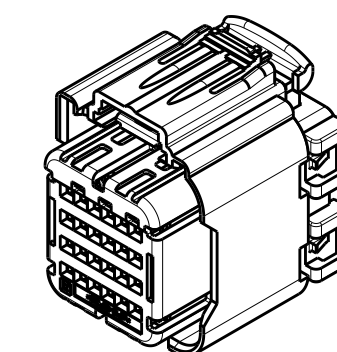
Technical drawing showing the front view of the pump assembly. The drawing includes a dashed circle indicating a diameter of  $\varnothing 42$  MIN. A dimension line indicates a distance of 6 units from the centerline to the edge of the mounting flange.

MINIMUM FEED THROUGH CONDITION  
WITH 1mm CLEARANCE ALL AROUND  
SHOWN WITH OPTION WIRESHIELD

1. APPLICABLE TERMINAL PART NUMBERS (SOLD SEPARATELY):  
FOR TIN APPLICATIONS: 1393367 AND 1393366.  
FOR GOLD APPLICATIONS: 1393365 AND 1393364.  
FOR TERMINATION AND REELING OPTIONS  
SEE DRAWINGS 1393367, 1393366, 1393365, AND 1393364.
2. COMPATIBLE WIRE SIZES FOR MAT SEAL DESIGN 1.19 TO 2.06 O.D.  
(22-18 AWG, 0.35-0.75 mm2)
3. TPA IS SHIPPED IN ITS PRE-LOADED POSITION. ALL ASSEMBLIES ARE  
TO BE TRAY PACKAGED.
4. CUSTOMER PART NUMBER AND TRACEABILITY CODE (YY = TWO DIGIT YEAR,  
JJJ = JULIAN DAY, HH = TWO DIGIT MILITARY HOUR, A = ASSEMBLY  
PROCESS USED) ARE PRINTED IN THIS LOCATION.
5. PART ASSEMBLY WEIGHT WITHOUT TERMINALS AND WITH STANDARD PIN-OUT  
CONFIGURATION IS 14.39 GRAMS.
6. OPTIONAL WIRESHIELD P/N 7-1419157-8 (SOLD SEPARATELY), PLEASE CONTACT  
YOUR TE SALES REPRESENTATIVE FOR AVAILABILITY AND PRICING.

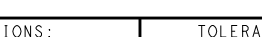


SCALE 2:1



SCALE 1:1

| ITEM | DESCRIPTION | MATERIAL | FINISH/COLOR |
|------|-------------|----------|--------------|
|------|-------------|----------|--------------|

|                                                                                       |  |                                                                                                                    |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN. M. FORSKA 16APR2002<br>CHK. M. FORSKA 16APR2002<br>APPR. A. VALASER 16APR2002                                 |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±3° |  | NAME<br>24 WAY ARM,<br>PLUG ASSEMBLY WITHOUT SHORTING BARS,<br>CUSTOMER SPEC.                         |  |
|  |  | PRODUCT SPEC<br>APPLICATION SPEC                                                                                   |  | SIZE CASE CODE DRAWING NO<br>A1 00779 C-3-1419157-9                                                   |  |
| MATERIAL<br>SEE CHART ABOVE                                                           |  | WEIGHT<br>SEE-NOTE 5                                                                                               |  | RESTRICTED TO<br>1 OF 3 REV B                                                                         |  |

|                                                                                     |  |                                                                                                                                                          |                                                                                                       |  |
|-------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                              |  | DWG M FORISKA 16APR2002<br>CHK M FORISKA 16APR2002<br>REV'D A VALASKA 16APR2002                                                                          |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                   |  | NAME 24 WAY ARM,<br>PLUG ASSEMBLY WITHOUT SHORTING BARS,<br>CUSTOMER SPEC.                                                                               |                                                                                                       |  |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.1<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±.1<br>4 PLC ±.1                                               |                                                                                                       |  |
| MATERIAL -<br>SEE CHART ABOVE                                                       |  | APPLICATION SPEC -<br>FINISH -43*<br>SIZE A1 CASE CODE 00779 DRAWING NO. C=3-1419157-9 RESTRICTED TO -<br>CUSTOMER DRAWING SCALE 3:1 SHEET 2 OF 3 REV BK |                                                                                                       |  |

| PIN-OUT CHART |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                         |  |                       |  |  |  |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|-------------------------|--|-----------------------|--|--|--|
| 12            | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |    |    |    |    |  |  |  |  | 1-1438103-5             |  | KEY "A"               |  |  |  |
| 12            |    |    | 15 | 16 | 17 | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1-1438356-2             |  | KEY "D"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 2-1438095-3             |  | KEY "B"               |  |  |  |
| 12            |    |    |    |    | 16 | 17 | 18 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438103-4             |  | KEY "A"               |  |  |  |
|               | 13 |    |    |    | 16 | 17 | 18 | 19 |    |    | 22 | 23 | 24 |  |  |  |  | 1438582-3               |  | KEY "E"               |  |  |  |
|               | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1-1438356-1             |  | KEY "D"               |  |  |  |
| 12            | 13 |    | 15 |    |    | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438096-4             |  | KEY "C"               |  |  |  |
| 12            | 13 | 14 | 15 |    |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 1-1438103-3             |  | KEY "A"               |  |  |  |
|               | 13 |    |    | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1-1438356-0             |  | KEY "D"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 2-1438095-2             |  | KEY "B"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438096-3               |  | KEY "C"               |  |  |  |
| 12            | 13 |    |    | 16 |    | 18 |    |    |    |    |    | 24 |    |  |  |  |  | 1-1438096-2             |  | KEY "C"               |  |  |  |
| 12            | 13 |    | 15 | 16 |    | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438096-1             |  | KEY "C"               |  |  |  |
|               | 13 |    |    | 16 | 17 | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1438583-3               |  | KEY "F"               |  |  |  |
|               | 13 |    |    | 16 |    |    | 19 |    |    |    | 22 |    |    |  |  |  |  | 1438583-2               |  | KEY "F"               |  |  |  |
|               | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438582-2               |  | KEY "E"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 1438582-1               |  | KEY "E"               |  |  |  |
|               | 13 | 14 | 15 |    | 17 |    | 19 | 20 | 21 |    |    |    |    |  |  |  |  | 1-1438103-2             |  | KEY "A"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 2-1438095-1             |  | KEY "B"               |  |  |  |
| 12            |    | 14 |    | 16 |    | 18 |    |    |    |    |    | 24 |    |  |  |  |  | 2-1438095-0             |  | KEY "B"               |  |  |  |
| 12            | 13 |    | 15 | 16 |    | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438095-9             |  | KEY "B"               |  |  |  |
|               | 13 |    |    | 16 | 17 | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438103-1             |  | KEY "A"               |  |  |  |
| 12            |    | 14 |    | 16 |    | 18 |    |    | 21 |    |    | 24 |    |  |  |  |  | 1-1438095-8             |  | KEY "B"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 | 21 | 22 | 23 | 24 |    |    |  |  |  |  | 1-1438095-7             |  | KEY "B"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1-1438103-0             |  | KEY "A"               |  |  |  |
|               | 13 | 14 | 15 |    | 17 |    | 19 | 20 | 21 |    |    |    |    |  |  |  |  | 2-1438103-0             |  | KEY "A"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 1438356-9               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 |    |    |    |    |    |    | 22 | 23 |    |  |  |  |  | 1438356-8               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 |    |    |    |    |    |    | 22 | 23 |    |  |  |  |  | 1438103-9               |  | KEY "A"               |  |  |  |
| 12            |    | 14 |    | 16 |    | 18 |    |    |    |    |    | 24 |    |  |  |  |  | 1-1438095-6             |  | KEY "B"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    |    |    | 22 | 23 | 24 |  |  |  |  | 1-1438095-5             |  | KEY "B"               |  |  |  |
| 12            | 13 | 14 |    | 16 |    | 18 |    |    |    |    |    | 24 |    |  |  |  |  | 1-1438095-4             |  | KEY "B"               |  |  |  |
| 12            |    |    | 15 | 16 |    | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1438356-7               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 | 17 | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1438356-6               |  | KEY "D"               |  |  |  |
| 12            |    |    |    | 16 |    | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1438356-5               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 | 17 | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1438356-4               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 |    | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1-1438095-3             |  | KEY "B"               |  |  |  |
| 12            |    |    | 15 | 16 |    |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1-1438095-2             |  | KEY "B"               |  |  |  |
|               | 13 |    |    |    | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438103-8               |  | KEY "A"               |  |  |  |
| 12            |    |    |    |    |    |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438356-3               |  | KEY "D"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    | 23 |    |    |  |  |  |  | 1-1438095-1             |  | KEY "B"               |  |  |  |
|               |    |    |    | 16 |    | 18 |    |    |    |    | 23 |    |    |  |  |  |  | 1-1438096-0             |  | KEY "C"               |  |  |  |
|               |    |    |    | 16 |    | 18 |    |    |    |    | 23 |    |    |  |  |  |  | 1438096-9               |  | KEY "C"               |  |  |  |
|               |    |    |    |    | 18 |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438096-8               |  | KEY "C"               |  |  |  |
|               | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438096-7               |  | KEY "C"               |  |  |  |
|               |    |    |    | 16 |    | 18 |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438096-4               |  | KEY "C"               |  |  |  |
|               | 13 |    |    |    |    | 18 |    |    |    |    |    |    |    |  |  |  |  | 1438096-3               |  | KEY "C"               |  |  |  |
|               |    |    |    |    |    | 18 |    |    |    |    |    |    |    |  |  |  |  | 1438096-2               |  | KEY "C"               |  |  |  |
|               |    |    |    |    | 17 |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1-1438095-0             |  | KEY "B"               |  |  |  |
|               |    |    |    | 16 | 17 |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438095-9               |  | KEY "B"               |  |  |  |
|               |    |    |    | 17 |    |    |    |    |    | 22 |    |    |    |  |  |  |  | 1438095-8               |  | KEY "B"               |  |  |  |
|               |    |    |    | 16 | 17 |    |    |    |    | 22 |    |    |    |  |  |  |  | 1438095-7               |  | KEY "B"               |  |  |  |
| 12            |    | 14 |    | 16 |    | 18 |    |    | 21 |    |    | 24 |    |  |  |  |  | 1438095-6               |  | KEY "B"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438095-5               |  | KEY "B"               |  |  |  |
| 12            | 13 |    | 15 | 16 |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438095-3               |  | KEY "B"               |  |  |  |
| 12            | 13 |    | 15 | 16 |    | 18 | 19 |    |    | 22 | 23 | 24 |    |  |  |  |  | 1438095-4               |  | KEY "B"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    | 22 |    |    |    |  |  |  |  | 1438095-2               |  | KEY "B"               |  |  |  |
| 12            |    |    | 15 | 16 |    |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438356-2               |  | KEY "D"               |  |  |  |
| 12            |    |    | 15 | 16 |    | 18 |    |    | 21 | 22 | 23 |    |    |  |  |  |  | 1438103-7               |  | KEY "A"               |  |  |  |
| 12            |    |    | 15 | 16 |    |    |    |    |    | 22 | 23 |    |    |  |  |  |  | 1438103-6               |  | KEY "A"               |  |  |  |
|               | 13 |    |    |    | 17 | 18 | 19 |    |    | 22 | 23 | 24 |    |  |  |  |  | 1438103-5               |  | KEY "A"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 |    | 18 | 19 |    | 21 | 22 | 23 | 24 |    |  |  |  |  | 1438103-4               |  | KEY "A"               |  |  |  |
|               | 13 |    |    |    |    |    | 19 |    |    | 22 |    |    |    |  |  |  |  | 1438096-5               |  | KEY "C"               |  |  |  |
|               | 13 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 1438103-3               |  | KEY "A"               |  |  |  |
|               |    |    | 16 |    |    | 19 |    |    |    | 22 |    |    |    |  |  |  |  | 1438103-2               |  | KEY "A"               |  |  |  |
|               |    |    |    |    | 17 |    |    |    |    |    |    |    |    |  |  |  |  | 7-1419157-7             |  | KEY "A"               |  |  |  |
| 13            | 14 | 15 |    | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |    |  |  |  |  | 1438096-6               |  | KEY "C"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 1438103-1               |  | KEY "A"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 1438356-1               |  | KEY "D"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 4-1419171-1             |  | KEY "C"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 4-1419171-0             |  | KEY "B"               |  |  |  |
|               |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  | 3-1419171-9             |  | KEY "A"               |  |  |  |
| 12            | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |    |  |  |  |  | ASSEMBLY<br>PART NUMBER |  | PLUG<br>KEYING OPTION |  |  |  |

|  |                                                                           |
|--|---------------------------------------------------------------------------|
|  | CAVITIES WITH A NUMERIC SYMBOL INDICATE<br>CLOSED TERMINAL HOLE POSITIONS |
|  | BLANK CAVITIES INDICATE<br>OPEN TERMINAL HOLE POSITIONS                   |

4805 (3/11)