

# Customer Information Sheet

DRAWING No.: M40-600XXXXR

SHEET 3 OF 4

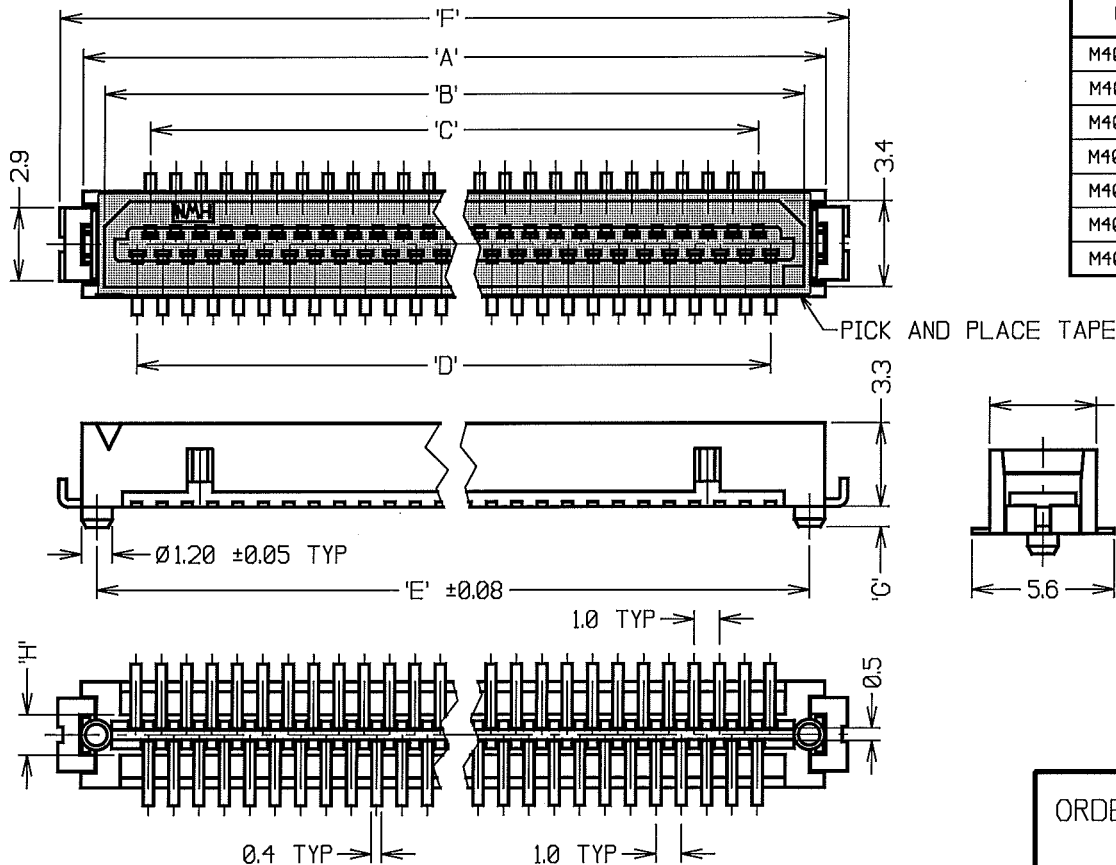
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



## NOTES:

1. ALL TOLERANCES  $\pm 0.30$  UNLESS OTHERWISE STATED.
2. SEE SHEET 4 FOR TAPE & REELING DETAILS.
3. MATES WITH M40-620XXXX TO GIVE 4.3mm BOARD-TO-BOARD HEIGHT.
4. SEE M40-600XXXX FOR NON-TAPE & REEL PRODUCT.
5. SUPPLIED WITH HIGH TEMPERATURE TAPE FOR PICK & PLACE.

| PART No.     | No. OF CONTACTS | 'A'  | 'B'  | 'C'  | 'D'  | 'E'  | 'F'  | 'G' | 'H' |
|--------------|-----------------|------|------|------|------|------|------|-----|-----|
| M40-60009XXR | 9               | 8.3  | 6.6  | 3.0  | 4.0  | 7.1  | 10.1 | 1.0 | 1.7 |
| M40-60015XXR | 15              | 11.3 | 9.6  | 6.0  | 7.0  | 10.1 | 13.1 | 1.0 | 1.7 |
| M40-60021XXR | 21              | 14.3 | 12.6 | 9.0  | 10.0 | 13.1 | 16.1 | 1.0 | 1.7 |
| M40-60025XXR | 25              | 16.3 | 14.6 | 11.0 | 12.0 | 15.1 | 18.1 | 1.0 | 1.7 |
| M40-60031XXR | 31              | 19.3 | 17.6 | 14.0 | 15.0 | 18.1 | 21.1 | 0.8 | 2.6 |
| M40-60041XXR | 41              | 24.3 | 22.6 | 19.0 | 20.0 | 23.1 | 26.1 | 0.8 | 2.6 |
| M40-60051XXR | 51              | 29.3 | 27.6 | 24.0 | 25.0 | 28.1 | 31.1 | 0.8 | 2.6 |

## SPECIFICATIONS:

### MATERIAL:

MOULDING - PA UL94V-0 (NATURAL)

CONTACTS - PHOSPHOR BRONZE

RETAINER - BRASS

### FINISH:

CONTACTS - 1-2 $\mu$  100% REFLOW TIN

RETAINER - 2-6 $\mu$  100% MATTE TIN OVER 1.27 $\mu$  MIN NICKEL

### ELECTRICAL:

CURRENT RATING - 0.5 AMPS

VOLTAGE RATING - 100V AC

DIELECTRIC STRENGTH - 250V AC FOR 1 MINUTE

INSULATION RESISTANCE - 500 MEGOHMS MIN (100V DC)

CONTACT RESISTANCE - 50 MILLIOHMS MAX (0.1A DC)

### MECHANICAL:

DURABILITY - 30 CYCLES

### ENVIRONMENTAL:

TEMPERATURE RANGE - -55°C TO +85°C

FOR COMPLETE SPECIFICATIONS, SEE COMPONENT SPECIFICATION C026XX (LATEST ISSUE)

ORDER CODE:

**M40-600XX46R**

No. OF CONTACTS

9, 15, 21, 25, 31, 41 & 51

FINISH:

46 = 100% TIN

|                |      |          |              |
|----------------|------|----------|--------------|
| SF             | 7    | 08.07.08 | 10080        |
| NAME           | ISS. | DATE     | C/NOTE       |
| APPROVED:      |      |          |              |
| CHECKED:       |      |          |              |
| DRAWN:         |      |          | W. J. BOURNE |
| CUSTOMER REF.: |      |          |              |
| ASSEMBLY DRG:  |      |          |              |

# HARWIN

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## TOLERANCES

X. =  $\pm 1.0$ mm  
X.X =  $\pm 0.25$ mm  
X.XX =  $\pm 0.10$ mm  
X.XXX =  $\pm 0.01$ mm  
ANGLES =  $\pm 5^\circ$   
UNLESS STATED

## MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm<sup>2</sup>

TITLE: 1.00mm PITCH SMT PLUG CONNECTOR (WITH PICK & PLACE, TAPE & REELED)

DRAWING NUMBER:

**M40-600XXXXR**

SHT  
3  
OF  
4

# Customer Information Sheet

DRAWING No.: M40-600XXXXR

SHEET 4 OF 4

IF IN DOUBT - ASK

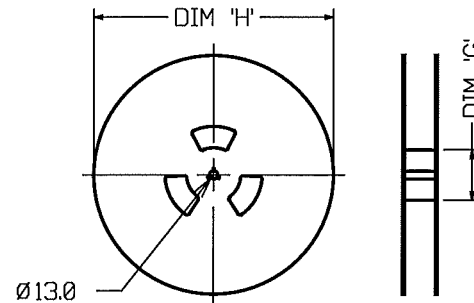
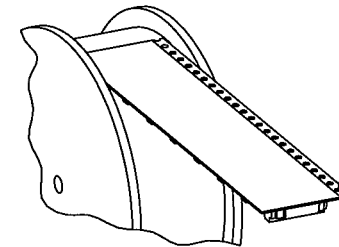
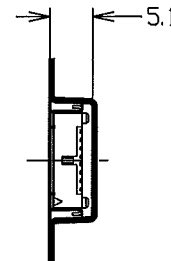
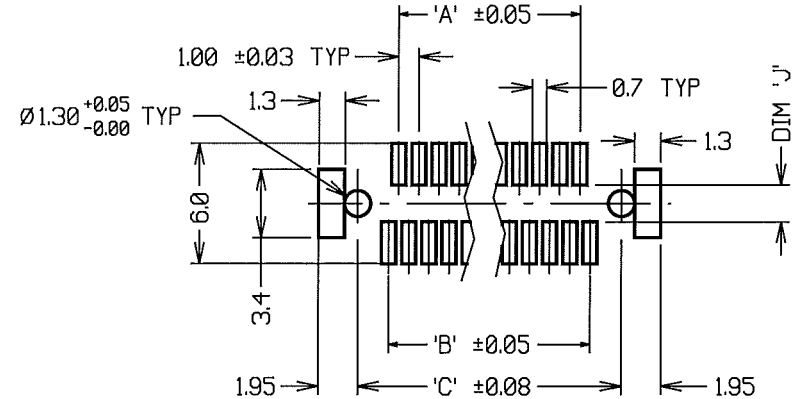
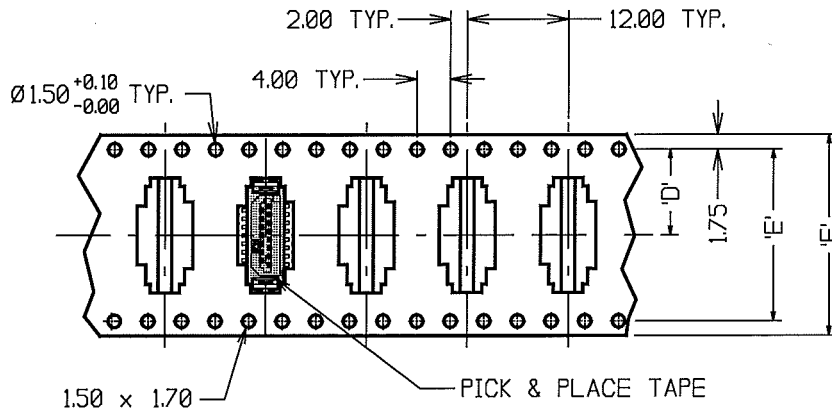
(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

| ASSEMBLY<br>PART No. | DIM 'A' | DIM 'B' | DIM 'C' | DIM 'D' | DIM 'E' | DIM 'F' | DIM 'G' | DIM 'H' |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| M40-60009XXR         | 3.0     | 4.0     | 7.1     | 11.5    |         | 24.0    | Ø80     | Ø380    |
| M40-60015XXR         | 6.0     | 7.0     | 10.1    |         |         |         |         | Ø330    |
| M40-60021XXR         | 9.0     | 10.0    | 13.1    |         |         |         |         | Ø380    |
| M40-60025XXR         | 11.0    | 12.0    | 15.1    | 14.2    | 28.4    | 32.0    |         |         |
| M40-60031XXR         | 14.0    | 15.0    | 18.1    |         |         |         |         |         |
| M40-60041XXR         | 19.0    | 20.0    | 23.1    | 20.2    | 40.4    | 44.0    |         |         |
| M40-60051XXR         | 24.0    | 25.0    | 28.1    |         |         |         |         |         |



- NOTES:
- FOR CONNECTOR DIMENSIONS SEE SHEET 3.
  - TAPE AND REELING IN ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481.
  - QUANTITY PER REEL = 1,000 COMPONENTS.

|                |              |          |        |
|----------------|--------------|----------|--------|
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TOLERANCES  
X. = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL:  
SEE ABOVE  
FINISH: SEE ABOVE  
S/AREA: mm²

TITLE: 1.00mm PITCH SMT PLUG CONNECTOR (WITH PICK & PLACE, TAPE AND REELED)  
DRAWING NUMBER:  
M40-600XXXXR  
SHT 4 OF 4