

## Material Declaration for R618X-02

| Product Information |                      |
|---------------------|----------------------|
| Part Number:        | R618X-02             |
| Part Description:   | M2.5 Threaded Spacer |
| Part Weight (g):    | See table            |

| Process Data          |     |
|-----------------------|-----|
| Peak Reflow (Deg. C)  | n/a |
| Termination Finish    | n/a |
| RoHS Compliant? (Y/N) | Yes |

| Part Number | Part Weight (g) | Base Material - Brass |            |            |            |            |            |            |            | Plating    | Homogeneous Material Location |
|-------------|-----------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------------------|
|             |                 | Impurities only       |            |            |            |            |            |            |            |            |                               |
|             |                 | Copper                | Zinc       | Lead       | Iron       | Tin        | Nickel     | Aluminium  | Other      | Nickel     | Substance Name                |
|             |                 | 7440-50-8             | 7440-66-6  | 7439-92-1  | 7439-89-6  | 7440-31-5  | 7440-02-0  | 7429-90-5  |            | 7440-02-0  | CAS #                         |
|             |                 | 3%                    | 3%         | 2%         | Max        | Max        | Max        | Max        | Max        | 20%        | Tolerance                     |
|             |                 | Weight (g)            | Weight (g) | Weight (g) | Weight (g) | Weight (g) | Weight (g) | Weight (g) | Weight (g) | Weight (g) |                               |
| R6180-02    | 0.33            | 0.191                 | 0.128      | 0.00986    | 0.000986   | 0.000986   | 0.000986   | 0.000164   | 0.000657   | 0.00103    |                               |
| R6181-02    | 0.658           | 0.381                 | 0.256      | 0.0197     | 0.00197    | 0.00197    | 0.00197    | 0.000328   | 0.00131    | 0.00182    |                               |
| R6182-02    | 0.987           | 0.571                 | 0.384      | 0.0295     | 0.00295    | 0.00295    | 0.00295    | 0.000492   | 0.00197    | 0.00261    |                               |
| R6183-02    | 1.316           | 0.761                 | 0.512      | 0.0394     | 0.00394    | 0.00394    | 0.00394    | 0.000656   | 0.00262    | 0.00339    |                               |
| R6184-02    | 1.643           | 0.951                 | 0.639      | 0.0492     | 0.00492    | 0.00492    | 0.00492    | 0.00082    | 0.00328    | 0.00418    |                               |
| R6185-02    | 1.972           | 1.141                 | 0.767      | 0.059      | 0.0059     | 0.0059     | 0.0059     | 0.000984   | 0.00393    | 0.00496    |                               |
| R6186-02    | 2.301           | 1.331                 | 0.895      | 0.0688     | 0.00689    | 0.00689    | 0.00689    | 0.00115    | 0.00459    | 0.00575    |                               |

Prepared by: *M. J. Perry*

Martin J Perry, BSc(Eng) MSc CEng MIET  
 Compliance Specialist  
 ComplianceTeam@harwin.co.uk

On behalf of: **HARWIN**