

## Material Declaration for S0921-46R

| Product Information |                 |
|---------------------|-----------------|
| Part Number:        | S0921-46R       |
| Part Description:   | RFI shield clip |
| Part Weight (g):    | 0.0894          |

| Process Data          |                      |
|-----------------------|----------------------|
| Peak Reflow (Deg. C)  | 260°C for 10 seconds |
| Termination Finish    | 100% Tin over Nickel |
| RoHS Compliant? (Y/N) | Yes                  |

| Homogeneous Material Location | Weight (g) | Tolerance     | Substance Name            | CAS #     |
|-------------------------------|------------|---------------|---------------------------|-----------|
| Contact - Cupro-Nickel        | 0.0854     | 5%            | Copper                    | 7440-50-8 |
|                               | 0.00248    | 5%            | Nickel                    | 7440-02-0 |
|                               | 0.000276   | 5%            | Cobalt                    | 7440-48-4 |
|                               | 0.000645   | 1%            | Silicon                   | 7440-21-3 |
|                               | 0.000156   | 0.5%          | Magnesium                 | 7439-95-4 |
|                               | 0          | 0.000178g max | Iron (impurity only)      | 7439-89-6 |
|                               | 0          | 0.000045g max | Lead (impurity only)      | 7439-92-1 |
| Contact - Plating             | 0          | 0.00089g max  | Zinc (impurity only)      | 7440-66-6 |
|                               | 0          | 0.000089g max | Manganese (impurity only) | 7439-96-5 |
|                               | 0          | 0.000445g max | Other Impurities          |           |
|                               | 0.0002     | 10%           | Nickel                    | 7440-02-0 |
|                               | 0.000246   | 10%           | Tin                       | 7440-31-5 |
|                               |            |               |                           |           |
|                               |            |               |                           |           |

Note: Tin plating is subject to 1,000ppm max Lead impurity.

Prepared by:

*M. J. Perry*

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

On behalf of:

**HARWIN**