

# ITW SHAKEPROOF INDUSTRIAL PRODUCTS

FINISH  
CODE

REVISION  
LEVEL

**BRIEF DESCRIPTION:**

AE-1 COPPER,NICKEL,TIN-RoHS

**AE**

**1**

REV DATE: 4/1/2007

**GENERAL DESCRIPTION**

TIN ELECTROPLATE OVER COPPER NICKEL OF .0002 MIN  
!!!MUST BE RoHS COMPLIANT!!!

**APPEARANCE**

MATTE SILVERY GRAY COLOR, UNIFORM APPEARANCE AND FREEDOM FROM BLISTERS.

**ADHESION AND DUCTILITY**

GRINDING WHEEL TEST:

SAMPLE PARTS WILL BE GROUND ON THE EDGES THROUGH THE PLATED DEPOSIT INTO THE BASE METAL  
AND THE GROUND EDGES EXAMINED FOR FLAKING OR PEELING.

**CORROSION REQUIREMENTS**

RED RUST: N/A

WHITE CORRIOSION: N/A

NONE

**COATING THICKNESS REQUIREMENTS**

COPPER: .00005    NICKEL: .00005    TIN: .0001/.0002

**STRESS RELIEF**

FERROUS PARTS: STANDARD BAKE AT 400 DEGREES F FOR FOUR HOURS MIN.,

**QUALITY CONTROL**

THICKNESS TEST: ELECTRONIC THICKNESS TEST

**PROCESS TO**

PRINT DATE:

6/14/2016