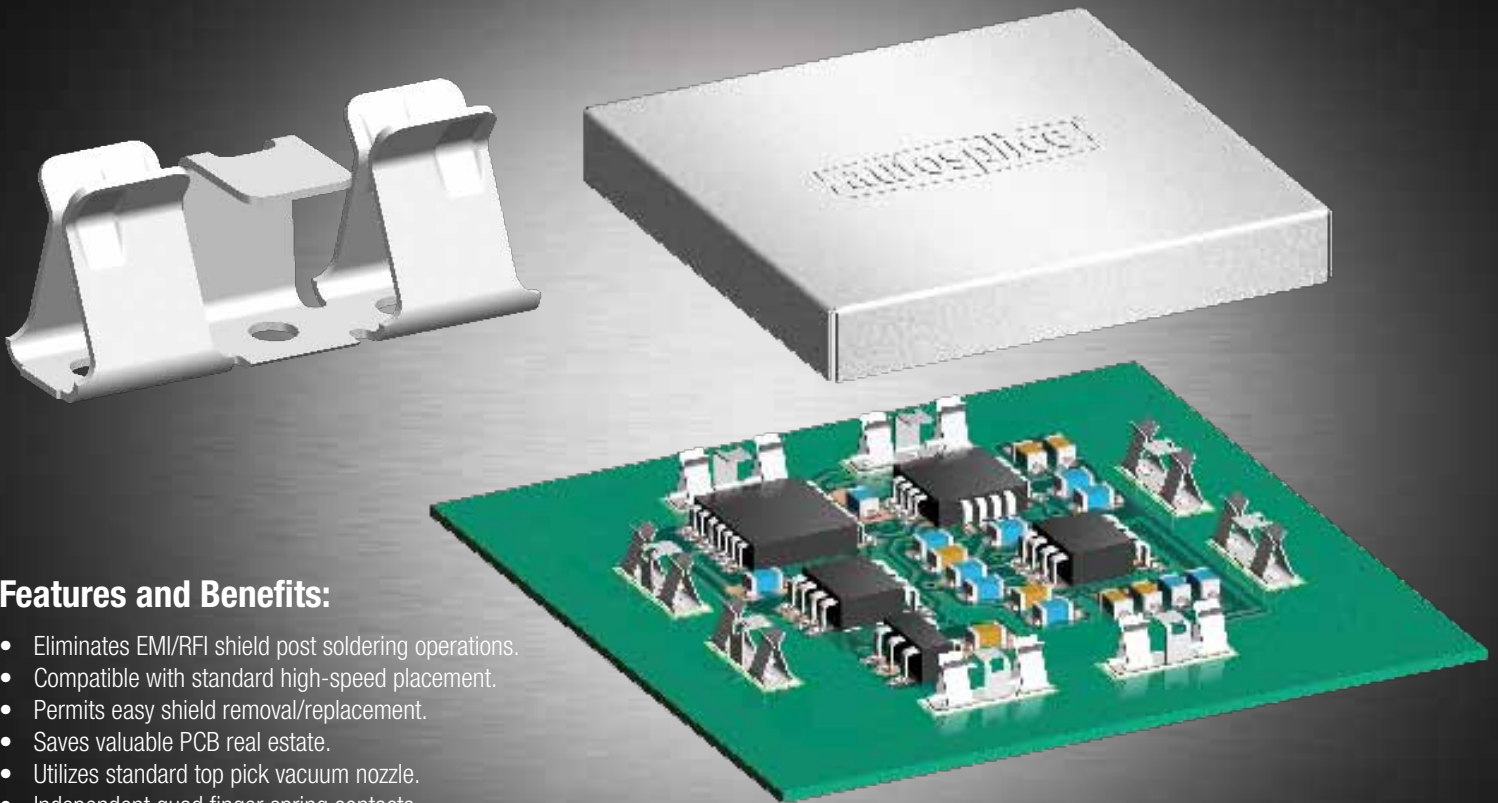


# RFI Shield Clips

## Faster Assembly and Greater Flexibility for EMI/RFI Shields



### Features and Benefits:

- Eliminates EMI/RFI shield post soldering operations.
- Compatible with standard high-speed placement.
- Permits easy shield removal/replacement.
- Saves valuable PCB real estate.
- Utilizes standard top pick vacuum nozzle.
- Independent quad finger spring contacts.
- Packaged onto STD EIA 481 T\*R.



EMI/RFI shield placement to a PCB without post soldering, now possible! Autosplice Surface Mount Shield Clips are a cost-effective alternative to hand soldering. The miniaturized design allows for tape and reel packaging compatible with standard high-speed placement equipment. RFI Shield Clips can be placed anywhere on the PCB, eliminating the need for extra holes and saving valuable PCB real estate. Equipped with four independent spring contacts the reliable RFI Shield Clips allow for shield removal and replacement for rework and/or circuit tuning.

*Inspired Global Solutions™*

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Innovative Interconnections™

# Shield Clip - Global Product Offering

| Part Number     | Description | Shield Thickness                         | Solder Wicking Holes | Height             | Quantity per reel | Plating   | Pad size                             | Pick Up Location |
|-----------------|-------------|--|----------------------|--------------------|-------------------|---|--------------------------------------|------------------|
| * 7-V2004-115TT | Midi        | 0.014" +/- 0.002"<br>(0.36mm +/-0.05mm)  | Yes                  | 0.142"<br>(3.62mm) | 2,000             | Preplated 0.000120" (0.00305mm)<br>min. matte Sn over .000050"<br>(0.00127mm) min Ni. | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Top.             |
| 7-V2004-115AA   | Midi        | 0.014" +/- 0.002"<br>(0.36mm +/-0.05mm)  | Yes                  | 0.142"<br>(3.62mm) | 2,000             | Preplated 0.000120" (0.00305mm)<br>min. Sn/Pb over .000050"<br>(0.00127mm) min Ni.    | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Top.             |
| 7-V2004-125AA   | Midi        | 0.019" +/- 0.002"<br>(0.48mm +/- 0.05mm) | Yes                  | 0.142"<br>(3.62mm) | 2,000             | Preplated 0.000120" (0.00305mm)<br>min. Sn/Pb over .000050"<br>(0.00127mm) min Ni.    | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Top.             |
| * 7-V2004-125TT | Midi        | 0.019" +/- 0.002"<br>(0.48mm +/- 0.05mm) | Yes                  | 0.142"<br>(3.62mm) | 2,000             | Preplated 0.000120" (0.00305mm)<br>min. matte Sn over .000050"<br>(0.00127mm) min Ni. | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Top.             |
| 7-V2019-115TT   | Midi        | 0.014" +/- 0.002"<br>(0.36mm +/-0.05mm)  | Yes                  | 0.134"<br>(3.40mm) | 4,500             | Preplated 0.000120" (0.00305mm)<br>min. matte Sn over .000050"<br>(0.00127mm) min Ni. | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Bottom           |
| 7-V2008-111AA   | Mini        | 0.007" +/- 0.002"<br>(0.18mm +/- 0.05mm) | Yes                  | 0.080"<br>(2.04mm) | 5,000             | Preplated 0.000120" (0.00305mm)<br>min. Sn/Pb over .000050"<br>(0.00127mm) min Ni.    | 0.040" X 0.220"<br>(1.02mm X 5.59mm) | Top.             |
| * 7-V2008-111TT | Mini        | 0.007" +/- 0.002"<br>(0.18mm +/- 0.05mm) | No                   | 0.080"<br>(2.04mm) | 5,000             | Preplated 0.000120" (0.00305mm)<br>min. matte Sn over .000050"<br>(0.00127mm) min Ni. | 0.040" X 0.220"<br>(1.02mm X 5.59mm) | Top.             |
| 7-V2010-115AA   | Maxi        | 0.014" +/- 0.002"<br>(0.36mm +/-0.05mm)  | No                   | 0.195"<br>(4.95MM) | 1,500             | Preplated 0.000120" (0.00305mm)<br>min. Sn/Pb over .000050"<br>(0.00127mm) min Ni.    | 0.090" X 0.37"<br>(2.29mm X 9.40mm)  | Top.             |
| 7-V2010-125TT   | Maxi        | 0.019" +/- 0.002"<br>(0.48mm +/- 0.05mm) | No                   | 0.195"<br>(4.95MM) | 1,500             | Preplated 0.000120" (0.00305mm)<br>min. matte Sn over .000050"<br>(0.00127mm) min Ni. | 0.090" X 0.37 "<br>(2.29mm X 9.40mm) | Top.             |
| *ATC-BB-02-001  | Micro       | 0.006" +0.003"<br>(0.15mm +0.08mm)       | No                   | 0.047"<br>(1.20mm) | 5,000             | Post Plated Tin (matte)   | 0.039" X 0.205"<br>(1.0mm X 5.20mm)  | Bottom           |

## Mechanical Specifications:

**Material:** Copper Alloy (Other Materials Available)

**Plating Options:** Lead Free Matte (Tin) or Tin Lead (90/10)

**Life Cycle:** 10 actuations minimum Shield Mating Force\*

**Insertion Force:** per clip (.009" Max Test Blade) : 15oz (0.43kg) max

**Withdrawal Force:** per clip (.005" Min Test Blade) : 0.7oz (0.02kg) min

\*based on shield edges per Autossplice specifications

## Environmental Data:

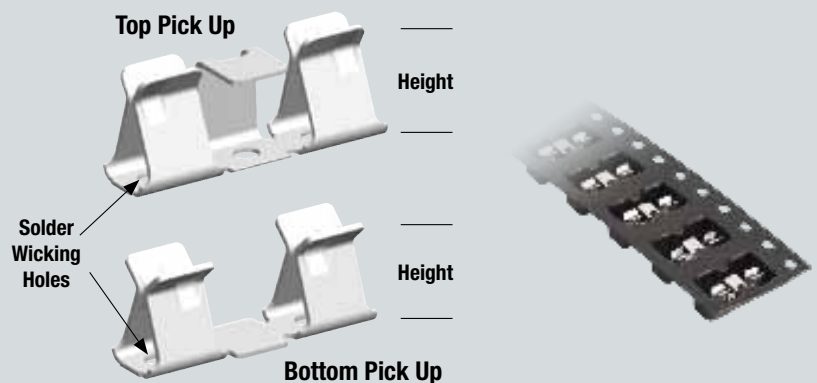
**Operating Temperature:** -40°C to 105°C at 85% RH

**Solderability:** Per Mil-STD-202, Method 208

**Paste Recommendations Thickness:** .006"-.008" (0.15mm-0.20mm)

\* Preferred, stocked by distribution.

Lead Free RoHs compliant



## Authorized Distributors



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Sample Kit Available

