



Introducing

Sockets for rPGA989 and rPGA988 Processors

Tyco Electronics surface mount rPGA sockets are designed for use with Intel's® Core™ i7 989 and 988 mobile processors. The socket is designed for notebook motherboards that require a low profile surface mount interconnect. A simple screw cam is used to secure the package in place. The sockets are validated to Intel's® design guides for high performance and extreme mobile products.

Sockets for rPGA989 and rPGA988 Processors



KEY FEATURES

- 989 or 988 contact positions on a 1.0 mm x 1.0 mm grid
- Simple cam screw actuation
- Solder balls facilitate surface mount to PCB
- Meets Intel® validation
- Socket is supplied with a cap for vacuum pick and place

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APPLICATIONS

- Notebook Computers

ELECTRICAL

- **Insulation Resistance** : 800 milliohms min at 500 VDC

MECHANICAL

- **Temperature rating** : Continuous 0 to 85°C, Operating -25 to 100°C
- **Durability** : 30 cycles
- **Cam operation torque to mate or unmate package** : 0.57N-m max.

MATERIALS

- **Contact** : Copper alloy, Gold 15 plating on contact area over nickel plating
- **Base Housing, Cover Housing and Cap** : High Temperature Thermoplastic UL94V-0
- **Cam, Slide Plate and Base Plate** : Stainless Steel
- **Solder Ball** : Sn/Ag/Cu

APPLICATIONS AND SPECIFICATIONS

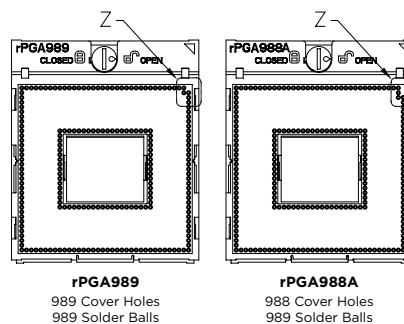
- **Application specification** : 114-5445
- **Instruction sheet** : 411-78322
- **Product specification** : 108-78587

APPLICATIONS AND SPECIFICATIONS

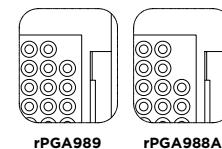
| PART NUMBER | SOCKET TYPE | PACKAGING | SOCKET QTY PER TRAY OR REEL | POCKET CENTERLINE |
|-------------|-------------|-------------|-----------------------------|-------------------|
| 2013620-1 | RPGA989 | HARD TRAY | 18 | N/A |
| 2013620-2 | RPGA989 | TAPE & REEL | 200 | 52 MM |
| 2013620-3 | RPGA989 | TAPE & REEL | 180 | 56 MM |
| 1-2013620-2 | RPGA988A | TAPE & REEL | 200 | 52 MM |
| 1-2013620-3 | RPGA988A | TAPE & REEL | 180 | 56 MM |

PRODUCT DIMENSIONS

Socket Type Variations



Cover Hole Configurations



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