

### Signal Contacts

#### Type II, Screw Machined, Crimp

#### Material

**Contact Body** — Brass

**Retention Spring** — Stainless steel

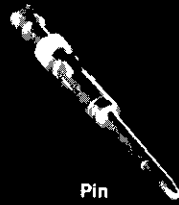
#### Finish

**Contact Body** — 000030 [0.00076]

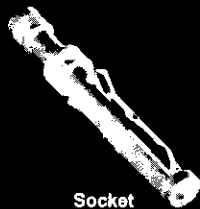
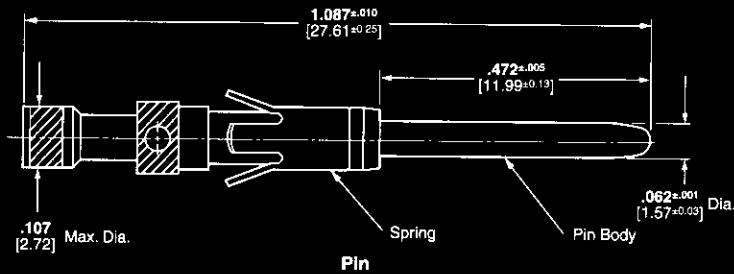
gold over .000050 [0.00127]

nickel. Gold thickness controlled on socket O.D.

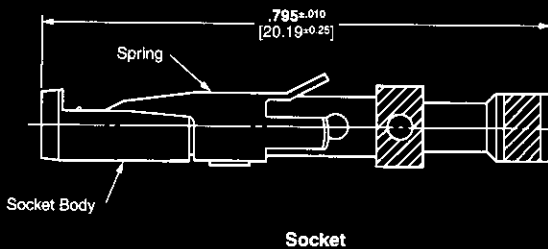
**Retention Spring** — Stainless steel



Pin



Socket



Socket

Pin and Socket Connectors

#### Contact Size 16—Pin Diameter .062 [1.57] (Test Current, 13 Ampere)‡

Wire Size Range	Ins. Dia. Range <sup>1</sup>	Tape Mounted Contact No. <sup>2</sup>		Loose Piece Contact No.		Contact Color Code	Tooling Part No.				
		Pin	Socket	Pin	Socket		Tape Mounted		Hand Tool		
							Die Set for AMP-TAPETRONIC Machine 69875	Die Set for 626 Pneumatic Tool System			
28-24	0.08-0.20	—	—	201611-4	—	201611-1 <sup>4</sup>	201613-1 <sup>5</sup>	Red/Red	—	91538-1	
				—	—	201334-1 <sup>4</sup>	201332-1 <sup>5</sup>	Red/Red	90249-2	90230-1 <sup>7</sup>	91538-1 or 601967-1
				—	—	202410-1 <sup>4</sup>	202411-1 <sup>5</sup>	Green	—	—	601967-1
24-20	0.2-0.6	—	—	201578-4	—	201578-1 <sup>4</sup>	201580-1 <sup>5</sup>	Yellow/Red	—	91538-1 or 58541-1 <sup>*</sup>	
				201330-6	201328-9	201330-1 <sup>4</sup>	201328-1 <sup>5</sup>	Yellow/Red	90249-2	90230-1 <sup>7</sup>	91538-1 or 601967-1
18 (Two)	0.9-0.9 (Two)	No. Ins. Support	—	—	202725-1 <sup>4</sup>	202726-1 <sup>5</sup>	Blue	—	90231-2 <sup>7</sup>	91539-1 or 601967-1	
18-16	0.8-1.4	—	—	200336-6	200333-8	200336-1 <sup>4</sup>	200333-1 <sup>5</sup>	Blue/Blue	90250-1	90231-2 <sup>7</sup>	91539-1
				—	—	204219-1 <sup>5,6</sup>	—	Blue/Blue	—	—	58541-1 <sup>*</sup> or 601967-1
14	2	No Ins. Support	—	212618-2 <sup>3</sup>	201568-3	201570-1 <sup>4</sup>	201568-1 <sup>5</sup>	Violet/Blue	90250-1	90231-2 <sup>7</sup>	91539-1
				—	—	212618-1 <sup>3,6†</sup>	—	—	—	—	58541-1 <sup>*</sup> or 601967-1

<sup>1</sup>Overall insulation crimp diameter, including crimp barrel, must not exceed .125 [3.18].

<sup>2</sup>For AMP-TAPETRONIC Machine Part Number 69875, order contacts by Tape Mounted Contact No., plus packaging code "IM REEL" (5000 parts per reel).

<sup>3</sup>Grounding pin is used to provide a make-first/break-last condition when mating and unmating connector halves.

<sup>4</sup>Use turret TH502 (1-601967-6) with hand tool 601967-1.

<sup>5</sup>Use turret TH501 (1-601967-5) with hand tool 601967-1.

<sup>6</sup>Pin length is .630<sup>±.005</sup> [16.002<sup>±.127</sup>] on these two pins.

<sup>7</sup>Die Set requires "C" Head Adapter Part Number 318161-1; Adapter Holder Part Number 356304-1 (with ratchet) or 189928-1 (without); and Power Unit Part Number 189721-2 (hand actuated) or 189722-2 (foot actuated).

<sup>\*</sup>Commercial PRO-CRIMPER II Hand Tool for field repair use only. Note: Die Set can be adapted for use with the 626 Pneumatic Tool System.

<sup>†</sup>Does not use Hand Tool 91539-1 or 601967-1.

<sup>‡</sup>Single contact, free-air test current is not to be construed as contact rating current.

Insertion Tool Part Number 200893-2 (for insulation diameters .070 [1.78] or less).

Extraction Tool Part Number 305183.