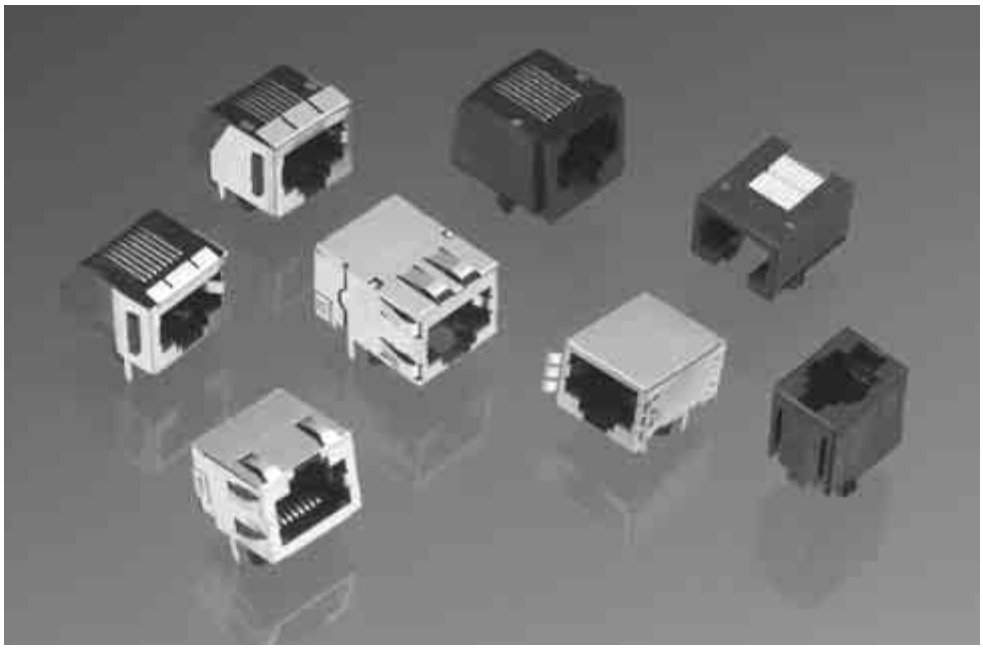
Single Port Modular Jacks

Product Facts

- **Meets or exceeds FCC Part 68 rules and regulations; REA PE-76; and UL 1863, Communication Circuit Accessories**
- **Meets 1000 volt dielectric requirement Contact to Contact**
- **Available in both top and side entry (Right-Angle)**
- **Designed for direct mounting on pc boards**
- **Designed for ease of soldering and board cleaning**
- **Available in both shielded and unshielded versions**
- **Shielded jack available with two grounding paths - pc board and panel**
- **20 dB shielding effectiveness from 30 MHz to 400 MHz**
- **Selectively gold plated contacts for lower cost**
- **All jacks are UL 94V-0 flame retardant polyester, standard color black, unless specified otherwise**
- **Listed by Underwriters Laboratories Inc., File No. E81956**
- **Certified by Canadian Standards Association, File No. LR 7189A**
- **Produced under a Quality Management System Certified to ISO 9001**
  A copy of the certificate is available upon request



Specifications

Electrical

Current Rating — 1.5 amp max. @ 25°C, derated to 0.2 amp max. @ 70°C ambient

Voltage Rating — 150 volts AC max.

Dielectric Withstanding Voltage — 1000 VAC, RMS, 60 Hz, 1 min. Contact to Contact

Mechanical

PC Board Retention — will not dislodge from pc board when subjected to 1 lb. [4.4N] pull before soldering and 10 lb. [44N] pull after soldering

Durability — 750 mating cycles

Material and Finish

Housing — Through-hole: Polyester (wave solder compatible), UL 94V-0 rated; Surface Mount: Polyphenylene Sulfide, or High Temp Nylon, UL 94V-0 rated

Contact — .014 [0.36] thk. Phosphor bronze; plated .000050 [0.00127] gold in contact area and .000150 [0.00381] tin-lead on solder tails, over .000050 [0.00127] nickel underplate

Technical Documents

Application Specifications
114-02048
114-6040

Product Specifications
108-01163
108-01163-1
108-01163-3
108-01163-4
108-01163-7

Catalog 82066
Revised 11-07

www.tycoelectronics.com

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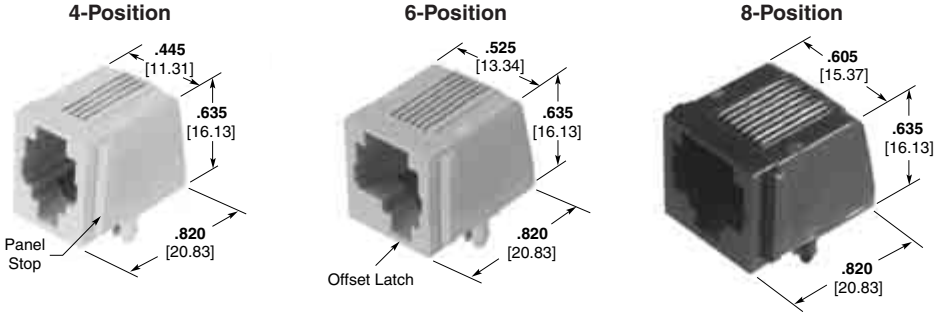
Single Port Modular Jacks (Continued)

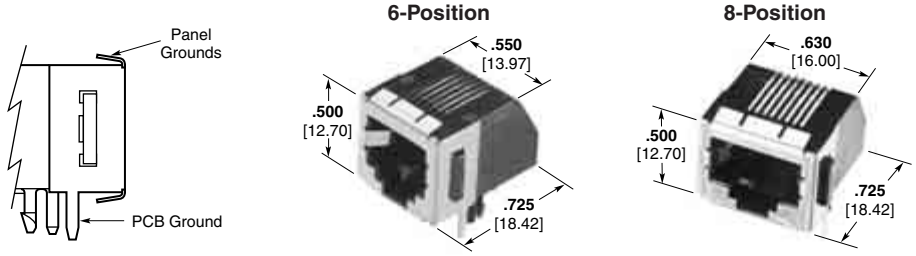
Side Entry (RA), Thru-Hole



Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
215875-1	4/4	Without	No	Cat 3	Without	No	Without
2-215875-1	4/4	Without	No	Cat 3	Without	No	Without
5520249-2	4/4	Without	No	Cat 3	With	No	Without
215876-2	6/4	Without	No	Cat 3	Without	No	Without
5555140-2	6/4	Without	Yes	Cat 3	With	No	Panel and PCB
5555163-2	6/4	Without	No	Cat 3	With	No	Without
1-215876-3	6/6	Without	No	Cat 3	Without	No	Without
215876-1	6/6	Without	No	Cat 3	N/A	No	Without
5520250-3	6/6	Without	No	Cat 3	With	No	Without
5555003-1	6/6	Without	No	Cat 3	With	No	Without
5555140-1	6/6	Without	Yes	Cat 3	With	No	Panel and PCB
5555154-1	6/6	Without	Yes	Cat 3	With	No	PCB Ground
5555163-1	6/6	Without	No	Cat 3	With	No	Without
5555165-1	6/6	Without	No	Cat 3	Without	No	Without
106066-2	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
1116062-2	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1116503-2	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
6116526-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
1-215877-3	8/8	Without	No	Cat 3	Without	No	Without

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Low Profile, Face Shield



Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5555162-1	8/8	Without	No	Cat 3	With	No	Without
5555164-1	8/8	Without	No	Cat 3	Without	No	Without
1-5406299-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1-1734264-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
1734579-1	8/8	Without	Yes	Cat 3	Without	No	PCB Ground
215877-1	8/8	Without	No	Cat 3	Without	No	Without
2-215877-1	8/8	Without	No	Cat 3	Without	No	Without
2-215878-1	8/8	Without	No	Cat 3	Without	No	Without
2-5338556-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
3-5338556-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5406217-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
5406296-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB

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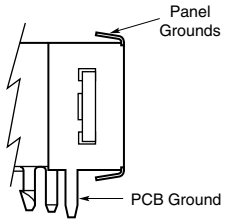
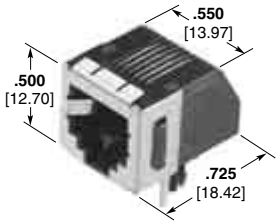
Single Port Modular Jacks (Continued)

Side Entry (RA), Thru-Hole

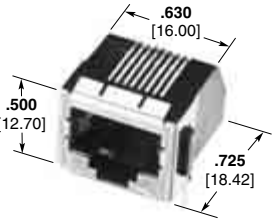
Low Profile, Face Shield
(Continued)



6-Position



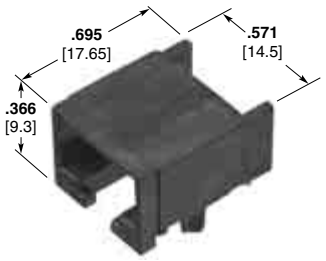
8-Position

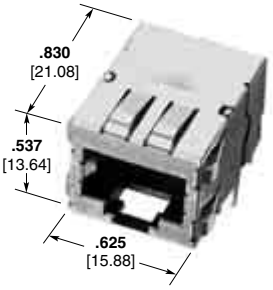


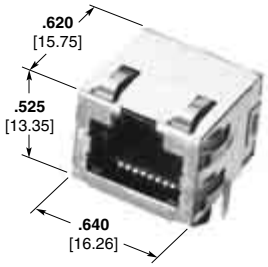
Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5406299-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
1-406525-1	8/8	Without	No	Cat 5	Without	Yes	Without
1-406541-1	8/8	Without	Yes	Cat 5	Without	Yes	Panel and PCB
5520243-4	8/8	Without	No	Cat 3	Without	No	Without
5520251-4	8/8	Without	No	Cat 3	With	No	Without
5520426-4	8/8	Without	No	Cat 3	Without	No	Without
5555141-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5555153-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground
5555153-3	8/8	Without	Yes	Cat 3	With	No	PCB Ground

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Side Entry (RA), Thru-Hole







Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5555166-1	8/8	Without	No	Cat 3	With	No	Without
5555167-1	8/8	Without	No	Cat 3	Without	No	Without
5557785-1	8/8	Without	No	Cat 3	Without	No	Without
5557789-1	8/8	Without	Yes	Cat 3	Without	No	PCB Ground
5557791-1	8/8	Without	Yes	Cat 3	Without	No	Panel and PCB
5558341-1	8/8	Without	No	Cat 5	Without	No	Without
5558342-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
5558344-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB
5569115-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5569118-1	8/8	Without	No	Cat 3	Without	No	Without
6116075-1	8/8	With	Yes	Cat 5	Without	Yes	PCB Ground
6116173-1	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
6364139-5	8/8	With	No	Cat 5	Without	Yes	Without
1734509-2	8/8	With	Yes	Cat 3	Without	No	PCB Ground
5406533-1	8/8	With	No	Cat 5	Without	Yes	Without
2-406549-1	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
2-406549-4	8/8	With	Yes	Cat 5	Without	Yes	Panel and PCB
5569564-1	8/8	With	Yes	Cat 3	Without	No	Panel and PCB
1734542-5	10/10	Without	No	Cat 3	Without	No	Without
5558065-1	10/10	Without	No	Cat 3	Without	No	Without
5558067-1	10/10	Without	Yes	Cat 3	Without	No	PCB Ground
5558070-1	10/10	Without	Yes	Cat 3	Without	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

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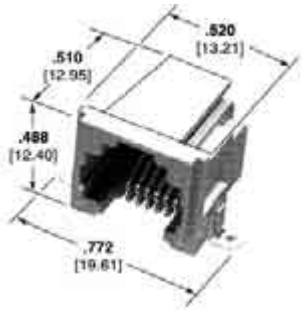
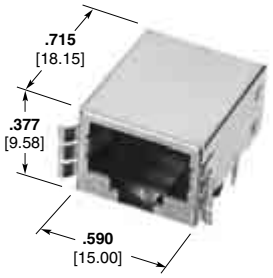
Single Port Modular Jacks (Continued)

Side Entry (RA), Surface Mount



1339212-1

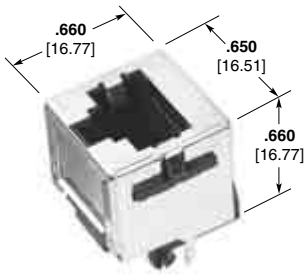


1339212-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
6339212-1	6/6	Without	Yes	Cat 3	Without	Yes	Panel and PCB
5406514-2	6/6	Without	No	Cat 3	Without	Yes	Without
5555077-1	6/6	Without	No	Cat 3	With	No	Without
6339160-1	8/8	Without	Yes	Cat 3	Without	Yes	Panel and PCB
5406721-1	8/8	Without	No	Cat 3	With	Yes	Without
5406721-2	8/8	Without	No	Cat 3	With	Yes	Without
5558178-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Top Entry, Thru-Hole



Shielded 557484-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5520257-2	4/4	Without	No	Cat 3	With	No	Without
5406010-2	6/2	Without	No	Cat 3	Without	No	Without
5520258-2	6/4	Without	No	Cat 3	With	No	Without

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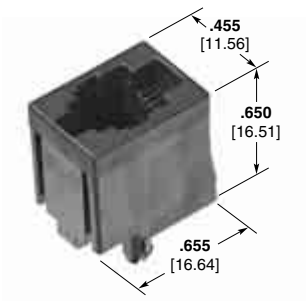
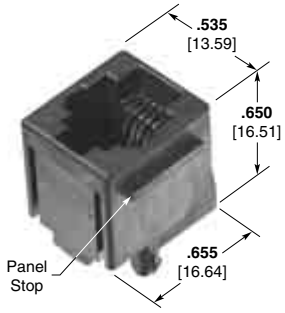
Single Port Modular Jacks (Continued)

Top Entry, Thru-Hole

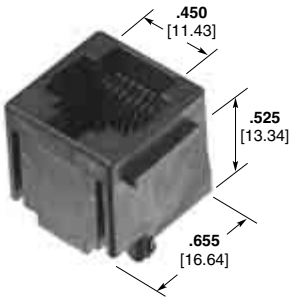
4-Position



6-Position



8-Position

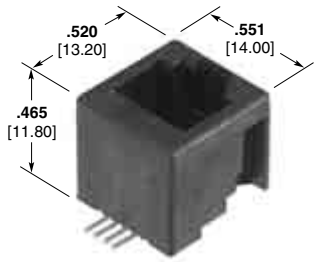


Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
5520425-2	6/4	Without	No	Cat 3	Without	No	Without
216548-1	6/6	Without	No	Cat 3	With	No	Without
216564-1	6/6	Without	No	Cat 3	With	No	Without
5520258-3	6/6	Without	No	Cat 3	With	No	Without
5520425-3	6/6	Without	No	Cat 3	Without	No	Without
5554990-1	6/6	Without	No	Cat 3	With	No	Without
100616-1	8/8	Without	Yes	Cat 3	With	No	PCB Ground
100616-2	8/8	Without	Yes	Cat 3	With	No	PCB Ground
6116202-1	8/8	Without	Yes	Cat 5	Without	No	PCB Ground
216550-1	8/8	Without	No	Cat 3	With	No	Without
216566-1	8/8	Without	No	Cat 3	With	No	Without
5520259-4	8/8	Without	No	Cat 3	With	No	Without
5555799-1	8/8	Without	No	Cat 3	Without	No	Without
5556416-1	8/8	Without	No	Cat 3	Without	No	Without
5557484-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557730-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557969-1	8/8	Without	Yes	Cat 3	With	No	Panel and PCB
5557969-2	8/8	Without	Yes	Cat 3	With	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Top Entry, Surface Mount

6-Position



Top or Bottom Entry
Part Number 1-338088-3

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
1-338084-3	4/4	Without	No	Cat 3	Without	No	Without
1-338086-3	6/6	Without	No	Cat 3	Without	No	Without
2-338086-3	6/6	Without	No	Cat 3	Without	No	Without
1-338088-3	8/8	Without	No	Cat 3	Without	No	Without
2-338088-3	8/8	Without	No	Cat 3	Without	No	Without

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Note: All part numbers are RoHS compliant.

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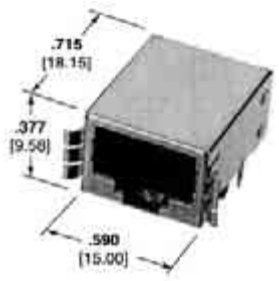
Single Port Modular Jacks (Continued)

Top Entry, Press Fit

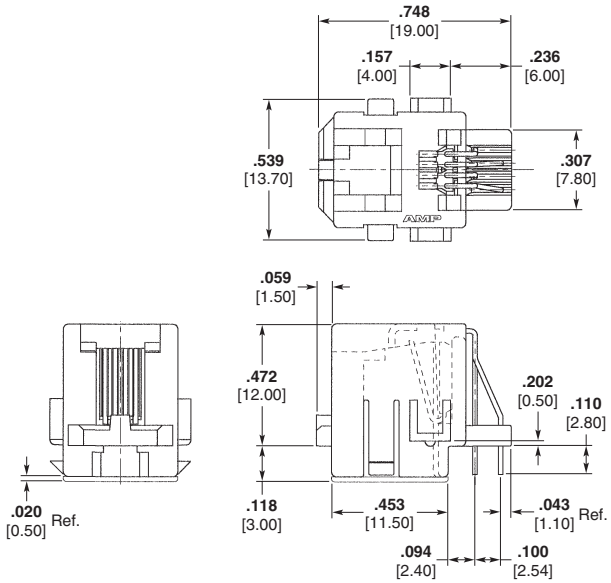


Part Number 1116201-1

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
6116201-1	8/8	Without	No	Cat 5	Without	No	Without
6116201-2	8/8	Without	No	Cat 5	Without	No	Without
6116202-1	8/8	Without	Yes	Cat 5	Without	No	PCB
6116418-1	8/8	Without	Yes	Cat 5	Without	No	Panel and PCB

Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Bottom Entry, Thru-Hole



Part Number 216444

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
216444-1	4/4	Without	No	Cat 3	Without	No	Without
216446-1	6/6	Without	No	Cat 3	Without	No	Without

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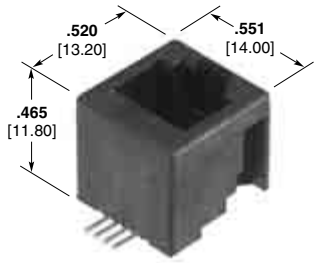
Single Port Modular Jacks (Continued)

Bottom Entry, Surface Mount

6-Position



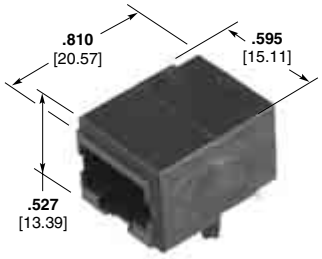
Top or Bottom Entry
Part Number 1-338088-3

Part Number	Positions/ Contacts	LEDs	Shielded	Performance	Panel Stops	Inverted	Ground Options
100860-1	6/6	Without	No	Cat 3	Without	No	Without
1-338088-5	8/8	Without	No	Cat 3	Without	No	Without
2-100860-1	6/6	Without	No	Cat 3	Without	No	Without

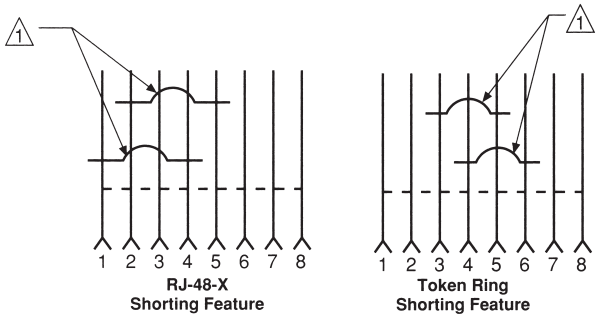
Note: Consult Tyco Electronics Sales Representative for additional Part Numbers and features differences (tail length, LED color, IRR, etc.)

Shorting

Unshielded



Positions/ Contacts	Shorting Configuration		Tray Packaging Part No.
8/8	1-4 & 2-5	RJ 48X	5557788-1
8/8	3-5 & 4-6	IBM Token Ring Emulation	5569972-1

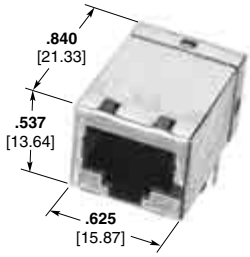


RJ-48-X Shorting Feature

Token Ring Shorting Feature

1 Short is removed by insertion of modular plug.

Shielded



Positions/ Contacts	Shorting Configuration		Panel Grounds	Tray Packaging Part Numbers
8/8	1-4 & 2-5	RJ 48X	—	5557789-1
8/8	1-4 & 2-5	RJ 48X	Y	5557791-1
8/8	3-5 & 4-6	IBM Token Ring Emulation	—	5569972-1

NOTE: SHIELDED PRODUCT WITH PANEL GROUNDS ALWAYS CONTAINS PCB GROUNDS

IBM is a trademark of International Business Machine Corporation.

Note: All part numbers are RoHS compliant.

Catalog 82066
Revised 11-07

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Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208