IC Sockets and Interconnection Panels

IC SOCKETS AND INTERCONNECTION PANELS

Texas Instruments lines of off-the-shelf interconnection products are designed specifically to meet the performance needs of volume commercial applications. They provide both the economy of a standard product line and performance features developed after many year's experience with custom designs. Foremost among these is our ability to selectively bond a wrought gold stripe at the contact point. No waste. Reduced cost. Reliable contacts.

Wrought Gold Contact

Plate a contact with gold and you get a better contact. More reliable, longer lasting. Increase the gold, you improve the contact. But gold is precious, so improved performance has to be costly — right? Wrong. Because now you can get the gold only where it is needed — at the point of contact.

How? With selective metallurgical bonding; a gold stripe inlay. Not porous plating, but durable wrought gold bonded to the contact by the same technology used to produce clad coins and thermostat metals.

Texas Instruments, Attleboro, Massachusetts, is the world's largest producer of these multimetal systems. We also know our way around electronics. The result? A full line of reliable, low cost, interconnection systems featuring an extra measure of gold where it's needed. Premium performance at no premium in price.

IC Sockets

Texas Instruments family of IC sockets includes every type and size in common use today, and as wide a choice of contact materials as you'll find anywhere. Choose from open or closed entry *wire-wrapped*[†] sockets, standard or low profile solder tail sockets, cable plugs, and component platforms. Sizes from 8 to 40 pins.

IC Panels

To match the industry's broadest line of IC sockets TI offers one of the industry's widest selections of off-the-shelf socket panel products. Logic panels. Logic cards. Accessories. Add TI's custom design capability and wire wrapping for full service.

Additional information including pricing and delivery quotations may be obtained from your nearest TI Distributor, TI Representative, or:

Texas Instruments Incorporated Connector Systems Department MS 2-16 Attleboro, Massachusetts 02703 Telephone: (617) 222-2800 TELEX: ABORA927708

 † Registered trademark of Gardner-Denver

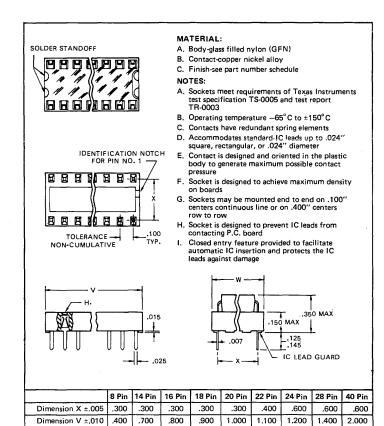
10

LOW PROFILE SOCKETS

SOLDER TAIL

C-93 SERIES GOLD-CLAD CONTACTS C-83 SERIES TIN-PLATED CONTACTS

- Universal mounting and packaging
- Anti-wicking wafer
- Stand-off tabs on base for solder flush
- Redundant contact points for low contact resistance, high reliability and repetitive insertion
- Closed entry construction



Dimension W (max) .400

.400

.400

.400

.400

.500

.700

.700

PART NO. SCHEDULE



BLACK BODY

NOMEX ANTI-WICKING WAFER			
Pins	C-93 SERIES	C-83 SERIES	
8	C930810	C830810	
14	C931410	C831410	
16	C931610	C831610	
18	C931810	C831810	
20	C932010	C832010	
22	C932210	C832210	
24	C932410	C832410	
28	C932810	C832810	
40	C934010	C934010	

CONTACT FINISH

C-93 SERIES:

100 microinch minimum gold stripe inlay

200 microinch minimum bright tin plate

10

STANDARD PROFILE SOCKET

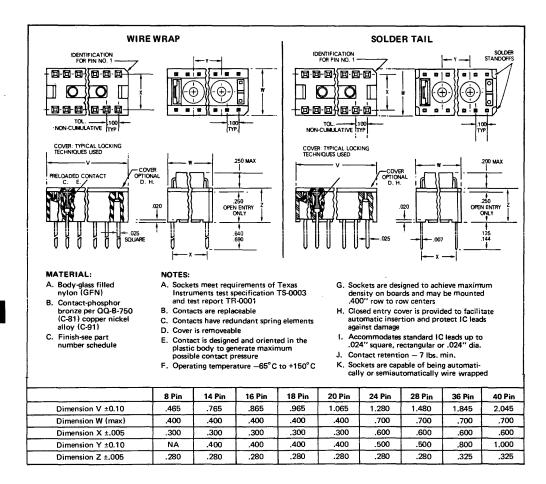
SOLDER TAIL

C-82 SERIES PLATED CONTACTS • C-92 SERIES GOLD CLAD CONTACTS

WIRE WRAP

C-81 SERIES PLATED CONTACTS • C-91 SERIES GOLD CLAD CONTACTS

- Designed for low cost, reliable, high density production packaging
- Universal mounting and packaging capabilities
- 8 to 40 pin lead configurations
- Contacts accommodate .015" through .024" rectangular or round dual-in-line leads
- Wire wrap posts held to true position of .015" providing a true position of .020" on boards for efficient automatic wire wrapping



WIRE WRAP

		OPEN ENTRY	CLOSED ENTRY
PART NUMBER SCHEDULE			
Contact Finish	Pins	Black Body	Black Cover
	8	C810854	C810804
Series	14	C811454	C811404
C-81	16	C811654	C811604
200-400 microinch	18	C811854	C811804
	20	C812054	C812004
min tin	24	C812454	C812404
per MIL-T-10727	28	C812854	C812804
WIL-1-10/2/	36		C813604
	40		C814004
Series	8	C910850	C910800
C-91	14	C911450	C911400
50 microinch	16	C911650	C911600
min bu microinch	18	C911450	C911400
min gold stripe	20	C912050	C911800
gold stripe inlay	24	C912450	C912000
illiay	28	C912850	C912800
	36		C913600
	40		C914000

SOLDER TAIL

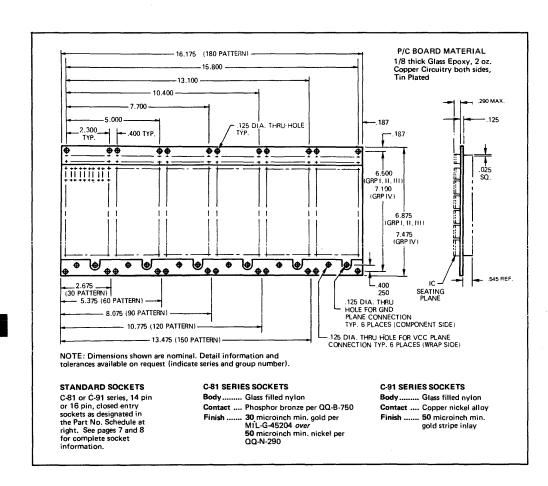
		OPEN ENTRY	CLOSED ENTRY
PART NUMBER SCHEDULE		halla	i i i i i i i i i i i i i i i i i i i
Contact	Pins	Black	Black
Finish		Body	Cover
Series	8	C820850	C820800
C-82	14	C821450	C821400
30 microinch	16	C821650	C821600
min gold per MIL-G-45204	18	C821850	C821800
over	24	C822450	C822400
50 microinch min nickel per	28	C822850	C822800
QQ-N-290	36		C823600
	40		C824000
Series	8	C820852	C820802
C-82	14	C821452	C821402
50 microinch	16	C821652	C821602
min gold per MIL-G-45204	18	C821852	C821802
over	24	C822452	C822402
100 microinch min nickel per	28	C822852	C822802
QQ-N-290	36		C823602
	40		C824002
Series	8	C820854	C820804
C-82	14	C821454	C821404
	16	C821654	C821604
200-400 microinch	18	C821854	C821604
min tin per	24	C822454	C822404
MIL-T-10727	28	C822854	C822804
	36		C823604
	40		C824004
Series	8	C920850	C920800
C-92	14	C921450	C921400
-	16	C921650	C921600
100-microinch min	18	C921850	C921800
gold stripe	24	C922450	C922400
inlay	28	C922850	C922800
	36		C923600
	40		C924000

SOCKET PANELS

STANDARD

D4 SERIES

- 180 position panel or multiples of 30 position with 14 or 16 position socket pattern
- 1/0 − 4 rows with 13 pins per row or 3 - 14 pin sockets
- Low cost standard hardware
- Available in 98 standard series
- Off-the-shelf availability



Group No.	I/O Option	Sockets Per Panel	C-81 Sockets	C-91 Sockets
Group I 14 Pin PIN 14 VCC PIN 7 GRD	SOCKETS	30 60 90 120 150 180	D411211 D411212 D411213 D411214 D411215 D411216	D411231 D411232 D411233 D411234 D411235 D411236
14 1 0 13 2 0 13 2 0 11 14 0 10 5 0 0 10 5 0 0 1 0 5 0 0 1 0 5 0 0 1 0 0 5 0 0 1 0 0 1 0 0 0 0	FEED-THRU PINS	30 60 90 120 150	D411411 D411412 D411413 D411414 D411415 D411416	D411431 D411432 D411433 D411434 D411435 D411436
Group II 14 Pin PIN V VCC PIN G GRD	SOCKETS	30 60 90 120 150 180	D434211 D434212 D434213 D434214 D434215 D434216	D434231 D434232 D434233 D434234 D434235 D434236
13 2 0 12 3 0 10 11 4 0 10 5 0 5 5 6 0 8 7	FEED-THRU PINS	30 60 90 120 150 180	D434411 D434412 D434413 D434414 D434415 D434416	D434431 D434432 D434433 D434434 D434435 D434436
Group III 16 Pin PIN 16 VCC PIN 8 GRD	SOCKETS	30 60 90 120 150 180	D423211 D423212 D423213 D423214 D423215 D423216	D423231 D423232 D423233 D423234 D423235 D423236
14 3 0 13 4 0 12 5 0 11 6 0 0 7 0 0 9 8	FEED-THRU PINS	30 60 90 120 150 180	D423411 D423412 D423413 D423414 D423415 D423416	D423431 D423432 D423433 D423434 D423435 D423436
Group IV 16 Pin PIN V VCC PIN G GRD V G	SOCKETS	30 60 90 120 150 180	D444211 D444212 D444213 D444214 D444215 D444216	D444231 D444232 D444233 D444234 D444235 D444236
15 2 0 14 3 0 12 5 11 6 10 7 5 8	FEED-THRU PINS	30 60 90 120 150 180	D444411 D444412 D444413 D444414 D444415 D444416	D444431 D444432 D444433 D444434 D444435 D444436

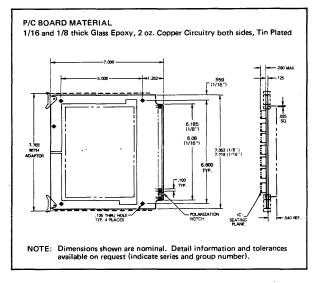
STANDARD PANEL PART NO. SCHEDULE -D4 Series

SOCKET CARDS

STANDARD

DO2 SERIES

- Low Cost
- 14 16 pin socket pattern 60 position
- Standard ground and power pin commitment
- 8 standard designs
- Mates with dual 60 position edge connector



DO2 Series
STANDARD CARD PART NO. SCHEDULE

Group No.	Board Thk.	C-81 Sockets	C-91 Sockets
Group I 14 Pin PIN 14 VCC PIN 7 GRD	1/16"	D022110	D022130
11 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1/8"	D021110	D021130
Group II 14 Pin PIN V VCC PIN G GRD	1/16"	D022310	D022330
14 1 1 0 0 1 1 2 0 0 1 1 1 1 1 1 1 1 1 1 1	1/8"	D021310	D021330
Group III 16 Pin PIN 16 VCC PIN 8 GRD	1/16"	D022210	D022230
	1/8"	D021210	D021230
Group IV 16 Pin PIN V VCC PIN G GRD	1/16"	D022410	D022430
15 2 0 14 14 14 14 14 14 14 14 14 14 14 14 14	1/8"	D021410	D021430

10

