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Jameco Part Number 1974843

HD-20 Front Metal-Shell Right-Angle Posted Connectors 318 Mount

Post Size—.026 [0.66] Dia. Plug



With Grounding Indents and Grounding Straps



With Threaded Insert



With Fixed Female Screwlock

Material and Finish:

Front Shell—Steel, tin plated Housing—94V-0 rated thermoplastic, black

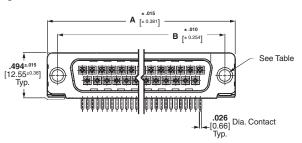
Eyelets—Brass, tin plated

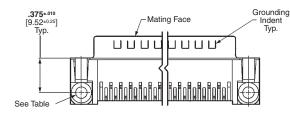
Threaded Inserts—Zinc

Female Screwlock—Zinc

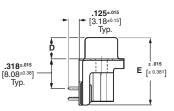
Boardlocks—Copper alloy, tin plated **Pin Contacts (Posted)**—Brass,

duplex plated as follows: **A**—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated **B**—Gold flash on mating end, tin on termination end, with entire contact nickel underplated





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Technical Documents:

Product Specification—108-40025 Application Specification— 114-40010

See customer drawings for printed circuit board layouts.

- Recognized under the Component Program of Underwriters Laboratories, Inc., File No. E28476
- Certified by Canadian Standards
 - Association, File No. LR 7189

318 [8.08] Board Mount Footprint

	No. of Contact Positions						Plug Part Numbers							
.		Dimensions				Contact	Wi	thout Boardl	ocks	With Boardlocks				
Shell Size		A	B	D	E	Finish (Plating Code)	With Standard Mounting Holes	With Threaded Inserts	With Fixed Female Screwlocks	With Standard Mounting Holes	With Threaded Inserts	With Fixed Female Screwlocks		
- 1	9	1.213 30.81	.984 24.99	.235 5.97	.733 18.62	А	5747250-2	5747250-4	5747250-6	5747840-2	5747840-4	5747840-6		
1 9	9					В	_	5747250-3	_	_	5747840-3	5747840-5		
0 15	15	15 1.541 39.14		.235 5.97	.733 18.62	А	5747236-2	5747236-4	5747236-6	5747841-2	5747841-4	5747841-6		
2	15					В	_	5747236-4	_		5747841-3	_		
3	25	2.088	1.852		.738 18.75	А	5747238-2	5747238-4	5747238-6	5747842-2	5747842-4	5747842-6		
3	20	25 53.04	53.04 47.04			В	5747238-2	5747238-3	_		5747842-3	5747842-5		
4	37	2.729	2.500	.230	.740	А	_	5747252-4	_	5747843-2	5747843-4	5747843-6		
4		3/	69.32	63.50	5.84	18.80	В	_	_	—	—	5747843-3	_	

Notes: 1. All plug connectors are preloaded with size 20 DF posted pin contacts.

2. Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.

3. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.

Note: All part numbers are RoHS compliant.

Catalog 82068 Revised 1-08

54

Revised 1-08 millimeter specified www.tycoelectronics.com are metr

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

HD-20 Front Metal-Shell Right-Angle Posted Connectors 318 Mount (Continued)

Post Size—.026 [0.66] Dia. Receptacle



With Grounding Straps



With Threaded Insert



With Fixed Female Screwlock

Material and Finish:

Front Shell—Steel, tin plated Housing—94V-0 rated thermoplastic, black Eyelets—Brass, tin plated

Threaded Inserts—Zinc

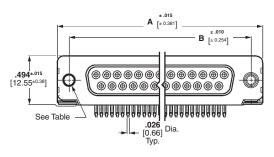
Female Screwlock—Zinc

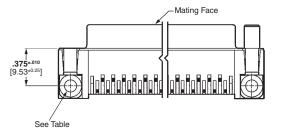
Boardlocks-Copper alloy, tin plated

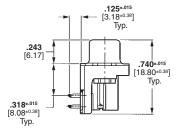
Socket Contacts (Posted)—

Phosphor bronze, duplex plated as follows:

 A—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated
B—Gold flash on mating end, tin on termination end, with entire contact nickel underplated







Technical Documents:

Product Specification—108-40025 Application Specification— 114-40010

Shell Size	No. of Contact Positions				Receptacle Part Numbers							
		Dimensions		Contact Finish	N	ithout Boardlo	ocks	With Boardlocks				
					With	With	With Fixed	With	With	With Fixed		
		Α	В	(Plating Code)	Standard Mounting Holes	Threaded Inserts	Female Screwlocks	Standard Mounting Holes	Threaded Inserts	Female Screwlocks		
1 9	0	1.213 30.81	.984 24.99	А	5745781-2	5745781-4	5745781-6	5747844-2	5747844-4	5747844-6		
	9			В	_	5745781-3	_	_	5747844-3	5747844-5		
2	0 45	1.541 39.14		А	5745782-2	5745782-4	5745782-6	_	5747845-4	5747845-6		
2 15	15			В	_	_	_		5747845-3	5747845-5		
3 25	2.088	1.852	А	5745783-2	5745783-4	5745783-6	5747846-2	5747846-4	5747846-6			
	25	25 53.04	47.04	В	_	5745783-3	5745783-5	_	5747846-3	5747846-5		
4	37	2.729 69.32	2.500 63.50	А	5745784-2	5745784-4	5745784-6	_	5747847-4	5747847-6		

Notes: 1. All receptacle connectors are preloaded with size 20 DF posted socket contacts.

2. Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.

3. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.

Note: All part numbers are RoHS compliant.

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HD-20 Front Metal-Shell Right-Angle Posted Connectors 318 Mount (Continued)

Post Size—.026 [0.66] Dia. Plug



With Grounding Indents and Grounding Straps



With Threaded Insert



With Fixed Female Screwlock

Material and Finish:

Front Shell—Steel, tin plated Housing—94V-0 rated thermoplastic, compatible with standard wave, vapor phase, and infra-red reflow (SMT) soldering, black

Eyelets—Brass, tin plated

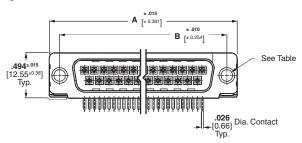
Threaded Inserts—Zinc

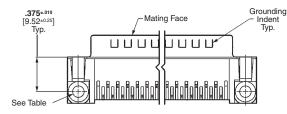
Female Screwlock—Zinc

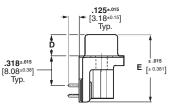
Boardlocks—Copper alloy, tin plated

Pin Contacts (Posted)—Brass, duplex plated as follows: A—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated B—Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Technical Documents: Product Specification—108-40025 Application Specification— 114-40010







Shell	No. of Contact Positions		Dimen	sions		Contact Finish	Plug Part Numbers With Boardlocks	
Size		Α	B	D	E	(Plating Code)	With Threaded Inserts	With Fixed Female Screwlocks
1	9	1.213	.984 24.99	.235 5.97	.733 18.62	A	5788792-1	5788793-1
	9	30.81				В	5788792-2	5788793-2
3	05	2.088	1.852	.230 5.84	.738 18.75	A	5788794-1	5788795-1
	25	53.04	47.04			В	5788794-2	_

Notes: 1. All plug connectors are preloaded with size 20 DF posted pin contacts.

2. Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.

3. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.

Catalog 82068 Revised 1-08 www.tycoelectronics.com 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.

Note: All part numbers are RoHS compliant.

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

HD-20 Front Metal-Shell Right-Angle Posted Connectors 318 Mount (Continued)

Post Size—.026 [0.66] Dia. Receptacle



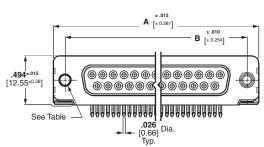
With Grounding Straps

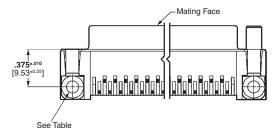


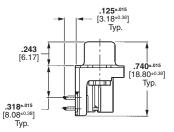
With Threaded Insert



With Fixed Female Screwlock







Material and Finish:

Front Shell—Steel, tin plated Housing—94V-0 rated thermoplastic, compatible with standard wave, vapor phase, and infra-red reflow (SMT) soldering, black

Eyelets—Brass, tin plated

Threaded Inserts—Zinc

Female Screwlock—Zinc

Boardlocks—Copper alloy, tin plated

Socket Contacts (Posted)— Phosphor bronze, duplex plated as follows:

 A—.000030 [0.00076] gold on mating end, tin on termination end, with entire contact nickel underplated
B—Gold flash on mating end, tin on termination end, with entire contact nickel underplated

Technical Documents:

Product Specification—108-40025 Application Specification— 114-40010

				Receptac	le Part Numbers		
No. of Contact Positions	Dimensions			Without Boardlocks	With Boardlocks		
	A	В	(Plating Code)	With Fixed Female Screwlocks	With Threaded Inserts	With Fixed Female Screwlocks	
0	1.213	.984	А	5788803-1	5788796-1	5788797-1	
9	30.81	24.99	В	_	5788796-2	5788797-2	
4.5	1.541	1.312 33.33	А	_	5788798-1	5788799-1	
15	39.14		В	_	5788798-1	_	
05	2.088	088 1.852	А	_	5788800-1	5788801-1	
25	53.04	47.04	В	_	5788800-2	5788801-2	
37	2.729 69.32	2.500 63.50	А	_	5788802-1	_	
	Contact Positions91525	Contact Positions Difference 9 1.213 30.81 15 1.541 39.14 25 2.088 53.04 37 2.729	Contact Positions Dimensions A B 9 1.213 30.81 .984 24.99 15 1.541 39.14 1.312 33.33 25 2.088 53.04 1.852 47.04 37 2.729 2.500	$\begin{array}{c c} \hline Contact \\ Positions \\ \hline A \\ \hline B \\ \hline \\ 9 \\ 15 \\ 15 \\ 25 \\ 25 \\ 25 \\ 25 \\ 27 \\ 27 \\ 27 \\ 2$	$ \begin{array}{c c} \text{No. of} \\ \hline \text{Contact} \\ \hline \text{Positions} \end{array} & \hline \begin{array}{c} \text{Dimensions} \\ \hline \text{A} & \text{B} \end{array} & \hline \begin{array}{c} \text{Contact} \\ \hline \text{Finish} \\ (\text{Plating} \\ \text{Code}) \end{array} & \hline \begin{array}{c} \hline \text{Without Boardlocks} \\ \hline \text{With Fixed} \\ \hline \text{Female} \\ \text{Screwlocks} \end{array} \\ \hline \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	No. of Contact Positions Dimensions A Finish B Without Boardlocks (Plating Code) WithOut Boardlocks With Fixed Female Screwlocks With B With Threaded Inserts 9 1.213 .984 30.81 A 5788803-1 5788796-1 15 1.541 1.312 39.14 A — 5788798-1 25 2.088 1.852 53.04 A — 5788800-1 37 2.729 2.500 A — 578800-1	

Notes: 1. All receptacle connectors are preloaded with size 20 DF posted socket contacts.

 Recommended pc board thickness is .062 [1.58] for connectors with boardlocks and .093 [2.36] max. for all others.

3. Male screw retainers are used as mating hardware for connectors with 4-40 female screwlocks.

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