

Zertifikat Certificate



Zertifikat Nr. Certificate No.
R 50085096

Blatt Page
0011

Ihr Zeichen Client Reference
PO2722901817

Unser Zeichen Our Reference
ZJL-MAS- 12012316 010

Ausstellungsdatum
15.02.2023

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

Tyco Electronics Japan G.K.
3-5-8 Hisamoto, Takatsu-ku
Kawasaki-shi, Kanagawa
213-8535 Japan

Fertigungsstätte Manufacturing Plant

Tyco Electronics (Qingdao) Ltd.
12 Xinghui Road, Jiaozhou Bay
Comprehensive Bonded Zone, Hetao
Chengyang Qingdao,
266113 Shandong
P.R. China

Prüfzeichen Test Mark



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 2000000000

Geprüft nach Tested acc. to
EN 61984:2009

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Connector Connector, as page 0001

Addition

Models for Type Designation D-1100
(see page 4 of Appendix 1.8 for details)
Electric Ratings: 125Vr.m.s., OVC II/1.5kVpeak, or
75Vr.m.s., OVC III/1.5kVpeak

Ambient Temperature
(at the maximum rated current): 75°C
Upper Limit Temperature: 105°C
Lower Limit Temperature: -55°C
IP Degree: IP 00
Classification: NCB
Mechanical Endurance: 500 cycles

Change

Address of
Factory: 3rd ST. Qingdao, export processing zone, Hetao
Chengyang Qingdao Shandong 266113 P.R. China
changed to: (see above)



ANLAGE (Appendix): 1.8

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

Vilmos Sztaroveczki

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



(To be filled in by TÜV Rheinland)

Constructional Data Form

Licenseholder : **Tyco Electronics Japan G.K.**
3-5-8 Hisamoto, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8535, Japan

Factory : **Tyco Electronics (Qingdao) Ltd.**
(full address) 12 Xinghui Road, Jiaozhou Bay Comprehensive Bonded zone, Hetao Chengyang, Qingdao, 266113 Shandong P.R. China.

TE Connectivity connectors(Suzhou) Co., LTD.
No.33 Chunyao Road, Cauhe Subdistrict, Suzou Xiangchebg Economis Development Zone, 215000 Suzhou Jiangsu P. R. China

Type or Model Number : Dynamic D-1000 Series (D-1100 , D-1200, D-1500 type)

Kind of device: Connector

Specifications			
Type designation	D-1100 , D-1200, D-1500 type		
Contact material	Copper alloy (Tin or Gold plating)		
Number of poles	40 Poles Max.		
Rated voltage	(AC/DC)		
		Overvoltage category	
		II III	
	D1100 type (2.0mm pitch)	125 V 75 V	
D1200 type (2.5mm pitch)	250 V 125 V		
D1500 type (3.5mm pitch)	250 V 125 V		
Rated current	See Fig-1		
Rated frequency	AC 50/60		
Rated withstand voltage	D1100 type : 1000 V a.c. D1200 & D1500 type : 1500 V a.c.		
Mechanical endurance	500 cycles		
Overvoltage category	II , III		
Pollution degree	2		
Creepage / Clearance distance	Creepage Distance	Clearance in Air	
	contact– contact (D-1100)	1.6mm	1.5mm
	contact– contact (D-1200)	2.9mm	1.6mm
	contact– contact (D-1500)	2.8mm	2.8mm

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Kawasaki

2023/2/14

(Place)

(Date)

Tyco Electronics Japan G.K.

T. Shimoyasu

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In Masuda

(Date)

(Signature)



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Constructional Data Form

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Insulation system	contact– contact (D-1100): <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA contact– contact (D-1200): <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA contact– contact (D-1500): <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA contact– enclosure : <input type="checkbox"/> basic <input type="checkbox"/> reinforced <input checked="" type="checkbox"/> NA
Classification	<input type="checkbox"/> CBC <input checked="" type="checkbox"/> NCB <input type="checkbox"/> other
Upper limit temperature	105°C
Lower limit temperature	-55°C
Max. ambient temp. at rated current	75°C
IP code	IP-00

Specifications (terminals)

Type of terminals	<input type="checkbox"/> WRAPPED CONNECTION <input checked="" type="checkbox"/> CRIMPED CONNECTION <input type="checkbox"/> CLIP CONNECTION <input type="checkbox"/> PRESS-IN CONNECTIONS <input type="checkbox"/> INSULATION DISPLACEMENT CONNECTION <input type="checkbox"/> SCREWLESS TERMINALS <input type="checkbox"/> SCREW TERMINALS <input type="checkbox"/> FLAT, QUICK CONNECT TERMINATIONS <input type="checkbox"/> SOLDER TERMINALS <input type="checkbox"/> other:
Terminal designation	1 to 40
Spec. Tightening torque	N/A
Rated cross section of conductor	AWG# 30 to AWG# 18
Kind of conductor	Flexible copper wire
Required preparation of the conductor	NA
Max. Stripping length	2.3 mm
Max. Number of conductors per terminal	1

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Constructional Data Form

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Fig-1 Maximum Current (A)

Number of Circuit	Wire Gauge						
	AWG#18	AWG#20	AWG#22	AWG#24	AWG#26	AWG#28	AWG#30
1	5	4	3	2.5	2	1.5	1
2 to 20	3.5	2.7	2.5	2	1.5	1	0.8
21 to 40	-	-	2	1.5	1	0.8	0.5

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Constructional Data Form

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TYPE NOMENCLATURE:

D-1100 type

Receptacle Housing	
Part Number	Poles
<input type="checkbox"/> -1939758-4	4
<input type="checkbox"/> -1939758-8	8
<input type="checkbox"/> -1827862-5	10
<input type="checkbox"/> -1939758-0	10
<input type="checkbox"/> -1827862-9	18
<input type="checkbox"/> -2040555-9	18
<input checked="" type="checkbox"/> -1939758-1	12
<input checked="" type="checkbox"/> -1939758-2	14
<input checked="" type="checkbox"/> -1939758-3	16
<input type="checkbox"/> -1827862-0	20
<input type="checkbox"/> -2040555-0	20
<input type="checkbox"/> -2333149-0	20
<input type="checkbox"/> -1827863-1	22
<input type="checkbox"/> -1871057-1	22
<input type="checkbox"/> -1827863-2	24
<input type="checkbox"/> -1871057-2	24
<input type="checkbox"/> -1827863-3	26
<input type="checkbox"/> -1871057-3	26
<input type="checkbox"/> -2333134-3	26
<input type="checkbox"/> -1827863-4	28
<input type="checkbox"/> -2333134-4	28
<input type="checkbox"/> -1827863-5	30
<input type="checkbox"/> -1871057-5	30
<input type="checkbox"/> -1827863-6	32
<input type="checkbox"/> -1871057-6	32
<input type="checkbox"/> -1827863-7	34
<input type="checkbox"/> -2333134-7	34
<input type="checkbox"/> -1827863-0	40
<input type="checkbox"/> -1871057-0	40
<input type="checkbox"/> -2333134-0	40
Header	(Horizontal type)
Part Number	Poles
<input type="checkbox"/> -1939760-4	4
<input type="checkbox"/> -1939761-4	4
<input type="checkbox"/> -1939760-8	8
<input type="checkbox"/> -1827873-5	10
<input type="checkbox"/> -1939760-0	10
<input type="checkbox"/> -1939761-0	10
<input type="checkbox"/> -2271887-5	10
<input type="checkbox"/> -2379284-5	10
<input checked="" type="checkbox"/> -1939761-1	12
<input checked="" type="checkbox"/> -1939761-2	14

Header	(Horizontal type)
Part Number	Poles
<input checked="" type="checkbox"/> -1939761-3	16
<input type="checkbox"/> -1827873-0	20
<input type="checkbox"/> -2281887-0	20
<input type="checkbox"/> -2379284-0	20
<input type="checkbox"/> -1939638-3	26
<input type="checkbox"/> -2271888-3	26
<input type="checkbox"/> -2372488-3	26
<input type="checkbox"/> -1939638-4	28
<input type="checkbox"/> -2271888-4	28
<input type="checkbox"/> -2372488-4	28
<input type="checkbox"/> -1939638-5	30
<input type="checkbox"/> -2013653-5	30
<input type="checkbox"/> -2271888-5	30
<input type="checkbox"/> -2372488-5	30
<input type="checkbox"/> -1939638-7	34
<input type="checkbox"/> -2271888-7	34
<input type="checkbox"/> -2372488-7	34
<input type="checkbox"/> -1939638-0	40
<input type="checkbox"/> -2013653-0	40
<input type="checkbox"/> -2271888-0	40
<input type="checkbox"/> -2372488-0	40
Header	(Vertical type)
Part Number	Poles
<input type="checkbox"/> -2394617-4	4
<input type="checkbox"/> -2390471-4	4
<input type="checkbox"/> -2394617-8	8
<input type="checkbox"/> -2390471-8	8
<input type="checkbox"/> -2394617-0	10
<input type="checkbox"/> -2390471-0	10
<input type="checkbox"/> -1554590-5	10
<input type="checkbox"/> -2040516-5	10
<input type="checkbox"/> -2342421-5	10
<input type="checkbox"/> -2379285-5	10
<input checked="" type="checkbox"/> -2390471-1	12
<input checked="" type="checkbox"/> -2390471-2	14
<input checked="" type="checkbox"/> -2390471-3	16
<input type="checkbox"/> -2040516-9	18
<input type="checkbox"/> -2040557-9	18
<input type="checkbox"/> -2379285-9	18
<input type="checkbox"/> -1554590-0	20
<input type="checkbox"/> -2040557-0	20
<input type="checkbox"/> -2047516-0	20

Header	(Vertical type)
Part Number	Poles
<input type="checkbox"/> -2342421-0	20
<input type="checkbox"/> -2379285-0	20
<input type="checkbox"/> -1827872-1	22
<input type="checkbox"/> -1871056-1	22
<input type="checkbox"/> -2013710-1	22
<input type="checkbox"/> -2329463-1	22
<input type="checkbox"/> -1871315-1	22
<input type="checkbox"/> -1871056-2	24
<input type="checkbox"/> -1871315-2	24
<input type="checkbox"/> -1827872-2	24
<input type="checkbox"/> -2329463-2	24
<input type="checkbox"/> -1827872-3	26
<input type="checkbox"/> -1871056-3	26
<input type="checkbox"/> -1939995-3	26
<input type="checkbox"/> -2329463-3	26
<input type="checkbox"/> -2339471-3	26
<input type="checkbox"/> -1871315-3	26
<input type="checkbox"/> -1827872-4	28
<input type="checkbox"/> -1871056-4	28
<input type="checkbox"/> -2329463-4	28
<input type="checkbox"/> -1871315-4	28
<input type="checkbox"/> -1827872-5	30
<input type="checkbox"/> -1871315-5	30
<input type="checkbox"/> -1871056-5	30
<input type="checkbox"/> -2013557-5	30
<input type="checkbox"/> -2329463-5	30
<input type="checkbox"/> -1827872-6	32
<input type="checkbox"/> -1871056-6	32
<input type="checkbox"/> -2329463-6	32
<input type="checkbox"/> -1871315-6	32
<input type="checkbox"/> -1827872-7	34
<input type="checkbox"/> -2329463-7	34
<input type="checkbox"/> -1871315-7	34
<input type="checkbox"/> -1827872-0	40
<input type="checkbox"/> -1871315-0	40
<input type="checkbox"/> -1871056-0	40
<input type="checkbox"/> -1939995-0	40
<input type="checkbox"/> -2329463-0	40
<input type="checkbox"/> -1871315-0	40

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Constructional Data Form

Tab Housing		
Panel Mount	Free Hanging	Poles
<input type="checkbox"/> -2069681-5	<input type="checkbox"/> -2069682-5	10
<input type="checkbox"/> -1903128-1	<input type="checkbox"/> -1903127-1	22
<input type="checkbox"/> -1903128-3	<input type="checkbox"/> -1903127-3	26
<input type="checkbox"/> -1903128-4	<input type="checkbox"/> -1903127-4	28
<input type="checkbox"/> -1903128-6	<input type="checkbox"/> -1903127-6	32
<input type="checkbox"/> -1903128-7	<input type="checkbox"/> -1903127-7	34
<input type="checkbox"/> -1903128-0	<input type="checkbox"/> -1903127-0	40
<input type="checkbox"/> -2350416-0		40

Note: The prefix number denotes Keying type, Color, or other variations not affecting the electrical or mechanical function of the devices. (e.g. 1 ~ 9)

D-1200 type

Receptacle Housing	
Part Number	Poles
<input type="checkbox"/> -1871465-2	2
<input type="checkbox"/> -1827864-2	4
<input type="checkbox"/> -1939028-2	4
<input type="checkbox"/> -1827864-3	6
<input type="checkbox"/> -1939028-3	6
<input type="checkbox"/> -1827864-4	8
<input type="checkbox"/> -1939028-4	8
<input type="checkbox"/> -1827864-5	10
<input type="checkbox"/> -1939028-5	10
<input type="checkbox"/> -1827864-6	12
<input type="checkbox"/> -1939028-6	12
<input type="checkbox"/> -1827864-8	16
<input type="checkbox"/> -1827864-0	20
<input type="checkbox"/> -1939028-0	20

Header (Horizontal type)	
Part Number	Poles
<input type="checkbox"/> -1827876-2	4
<input type="checkbox"/> -1871673-2	4
<input type="checkbox"/> -1939818-2	4
<input type="checkbox"/> -1827876-3	6
<input type="checkbox"/> -1554692-3	6
<input type="checkbox"/> -1871673-3	6
<input type="checkbox"/> -1939818-3	6
<input type="checkbox"/> -1827876-4	8
<input type="checkbox"/> -1939818-4	8
<input type="checkbox"/> -1827876-5	10
<input type="checkbox"/> -1827876-6	12
<input type="checkbox"/> -1871673-6	12
<input type="checkbox"/> -1939818-6	12
<input type="checkbox"/> -2013556-1	12
<input type="checkbox"/> -1827876-8	16
<input type="checkbox"/> -1827876-0	20
<input type="checkbox"/> -1939818-0	20

Header (Vertical type)	
Part Number	Poles
<input type="checkbox"/> -1871468-2	2
<input type="checkbox"/> -1827875-2	4
<input type="checkbox"/> -1939261-2	4
<input type="checkbox"/> -2040558-2	4
<input type="checkbox"/> -1827875-3	6
<input type="checkbox"/> -1939261-3	6
<input type="checkbox"/> -2013651-1	6
<input type="checkbox"/> -2040558-3	6
<input type="checkbox"/> -1827875-4	8
<input type="checkbox"/> -1939261-4	8
<input type="checkbox"/> -1827875-5	10
<input type="checkbox"/> -1939261-5	10
<input type="checkbox"/> -2040558-5	10
<input type="checkbox"/> -1827875-6	12
<input type="checkbox"/> -1939261-6	12
<input type="checkbox"/> -2013184-1	12
<input type="checkbox"/> -2040558-6	12
<input type="checkbox"/> -1827875-8	16
<input type="checkbox"/> -1827875-0	20
<input type="checkbox"/> -1939261-0	20

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Constructional Data Form

Tab Housing		
Panel Mount	Free Hanging	Poles
-	<input type="checkbox"/> -1903129-2	2
<input type="checkbox"/> -1903131-2	<input type="checkbox"/> -1903130-1	4
<input type="checkbox"/> -1903131-3	<input type="checkbox"/> -1903130-3	6
<input type="checkbox"/> -2069829-3	<input type="checkbox"/> -1939796-3	6
<input type="checkbox"/> -1903131-4	<input type="checkbox"/> -1903130-4	8
<input type="checkbox"/> -2069829-4	-	8
<input type="checkbox"/> -1903131-6	<input type="checkbox"/> -1903130-6	12
<input type="checkbox"/> -1903131-0	<input type="checkbox"/> -1903130-0	20

Note: The prefix number denotes Keying type, Color, or other variations not affecting the electrical or mechanical function of the devices. (e.g. 1 ~ 9)

D-1500 type

Receptacle Housing	
Part Number	Poles
<input type="checkbox"/> -1827579-1	3
<input type="checkbox"/> -2069029-2	6
<input type="checkbox"/> -2069029-3	9
<input type="checkbox"/> -2069029-4	12

Header (Horizontal type)	
Part Number	Poles
<input type="checkbox"/> -1827583-2	6

Header (Vertical type)	
Part Number	Poles
<input type="checkbox"/> -1827581-1	3
<input type="checkbox"/> -1827581-2	6
<input type="checkbox"/> -1827581-3	9
<input type="checkbox"/> -1827581-4	12

Tab Housing		
Part Number		Poles
Panel Mount	Free Hanging	
-	<input type="checkbox"/> -2040444-1	3
<input type="checkbox"/> -2040404-2	<input type="checkbox"/> -2040444-2	6
<input type="checkbox"/> -2040404-3	<input type="checkbox"/> -2040444-3	9
<input type="checkbox"/> -2040404-4	<input type="checkbox"/> -2040444-4	12
<input type="checkbox"/> -2040404-2	-	36

Note: The prefix number denotes Keying type, Color, or other variations not affecting the electrical or mechanical function of the devices. (e.g. 1 ~ 9)

Contacts

Receptacle		Tab		Wire range (AWG#)
Strip Form	Loose Form	Strip Form	Loose Form	
1827569-2	1827586-2	1903111-2	1903115-2	28 - 30
1827570-2	1827587-2	1903112-2	1903116-2	22 - 28
1827571-2	1827588-2	1903113-2	1903117-2	22 - 28
1939991-2	1939992-2	-	-	22 - 28
1827572-2	1827589-2	1903114-2	1903118-2	18 - 22
1871303-1	1871743-1	1903120-1	1903124-1	22 - 28
1871304-1	1871744-1	1903121-1	1903125-1	22 - 28
1871731-1	1871745-1	1903122-1	1903126-1	18 - 22
1827569-4	1827586-4	1903111-4	1903115-4	28 - 30
1827570-4	1827587-4	1903112-4	1903116-4	22 - 28
1827571-4	1827588-4	1903113-4	1903117-4	22 - 28
1827572-4	1827589-4	1903114-4	1903118-4	18 - 22

Note: -1: Tin plating, -2, -4: Gold plating.

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