

MATENG

J599 III SERIES

CATALOG

J599 III SERIES

OPTICAL FIBER CONNECTOR

PRODUCT INTRODUCTION

- Complies with GJB599B (MIL-DTL-38999) III series interface
- Outer shell can choose different materials and coatings to adapt to different environmental requirements
- Five-key positioning with blind insertion and error-proof insertion functions
- Three-head thread quick connection with anti-loosening mechanism
- Precision docking with ceramic pins and casing
- Various tail attachment forms are available
- With adapter socket (optional gas seal) form, get rid of the cable bondage

SPECIFICATIONS

MECHANICAL

- Endurance: 500 cycles
- Impact: 980m/s²
- Vibration: 10Hz ~ 2000Hz, acceleration 147m/s²
- Tensile strength: ≥720N (multi-core cable)

OPTICAL PERFORMANCE

- Insertion loss: ≤0.6dB (≤ 4 core), ≤0.75dB (≥5 core)

ENVIRONMENTAL

- Temperature range: -55°C ~ +85°C (according to the cable temperature)
- Salt spray: Class K: 500h Class F: 48h Class W: 500h Class MW Class: 192h (Acid atmosphere)
- Liquid resistance: resistance to a variety of fuel, coolant and other oil.

**PART NUMBER****PLUG MODEL NAME**

J599/ 26 W C 04 B1 N 01 -M2

Connector series**Connector type**
26 plug**Finish**

K-Stainless steel passivation
F-Electroless nickel plating
W-Cadmium plating
MW-Cadmium plating (Marine environment)

Shell size

A	B	C	D	E	F	G	H	J
09	11	13	15	17	19	21	23	25

Contact number

See "Contact arrangement Table"

Type of contact

A1-Optical fiber base pin
B1-Optical fiber jack

Key position

N, W, X, Y, Z, N is the normal key

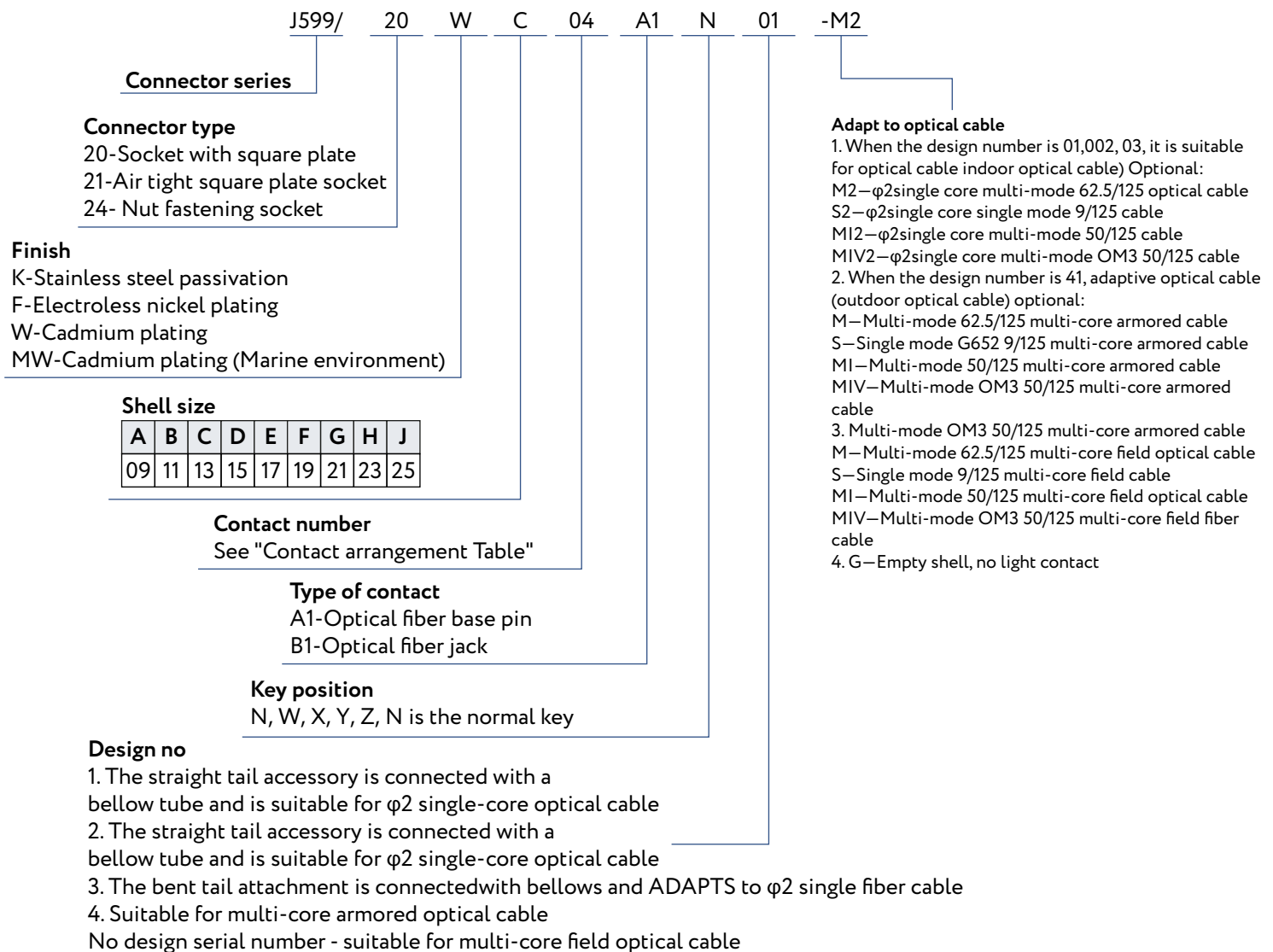
Design no

1. The straight tail accessory is connected with a bellow tube and is suitable for $\varnothing 2$ single-core optical cable
 2. The straight tail accessory is connected with a bellow tube and is suitable for $\varnothing 2$ single-core optical cable
 3. The bent tail attachment is connected with bellows and ADAPTS to $\varnothing 2$ single fiber cable
 4. Suitable for multi-core armored optical cable
- No design serial number - suitable for multi-core field optical cable

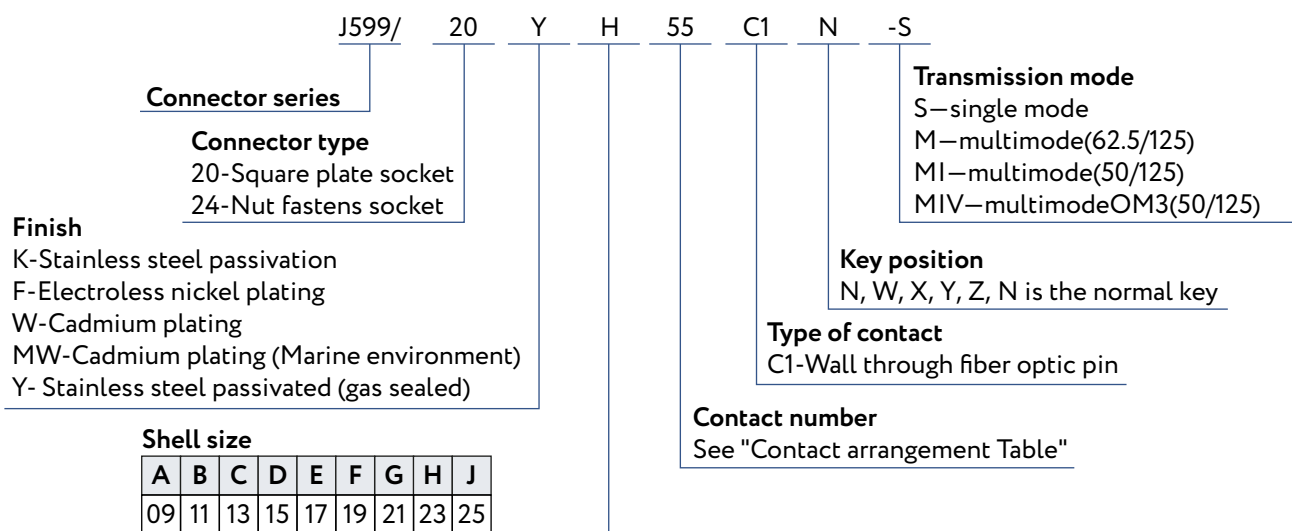
Adapt to optical cable

1. When the design number is 01,002, 03, it is suitable for optical cable indoor optical cable)
Optional:
M2— $\varnothing 2$ single core multi-mode 62.5/125 optical cable
S2— $\varnothing 2$ single core single mode 9/125 cable
MI2— $\varnothing 2$ single core multi-mode 50/125 cable
MIV2— $\varnothing 2$ single core multi-mode OM3 50/125 cable
2. When the design number is 41, adaptive optical cable (outdoor optical cable) optional:
M—Multi-mode 62.5/125 multi-core armored cable
S—Single mode G652 9/125 multi-core armored cable
MI—Multi-mode 50/125 multi-core armored cable
MIV—Multi-mode OM3 50/125 multi-core armored cable
3. Multi-mode OM3 50/125 multi-core armored cable
M—Multi-mode 62.5/125 multi-core field optical cable
S—Single mode 9/125 multi-core field cable
MI—Multi-mode 50/125 multi-core field optical cable
MIV—Multi-mode OM3 50/125 multi-core field fiber cable
4. G—Empty shell, no light contact

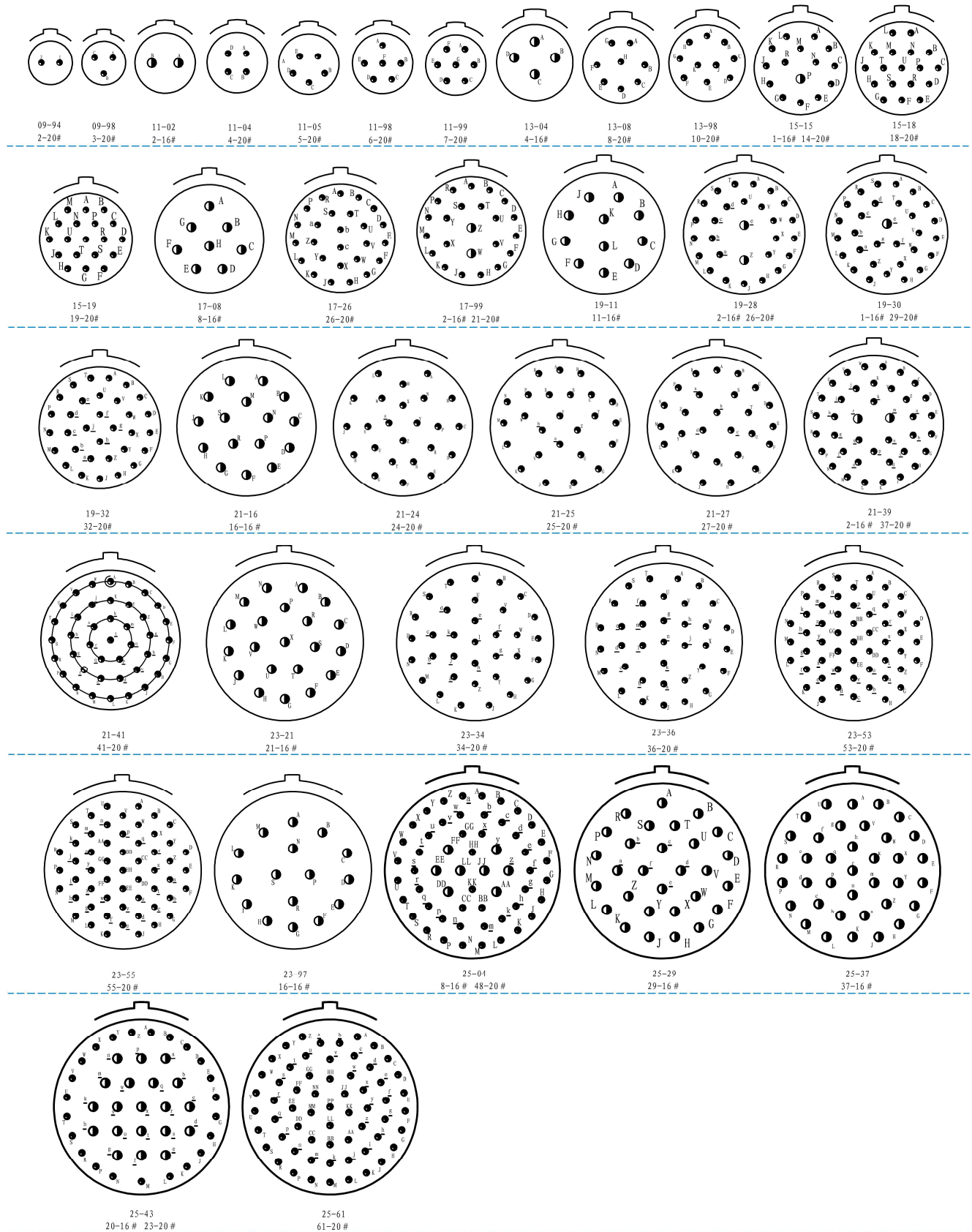
SOCKEY MODEL NAME



TRANSFER SOCKET MODEL NAME



CONTACT ARRANGEMENT (PIN INSULATOR INSERTION SURFACE VIEW)





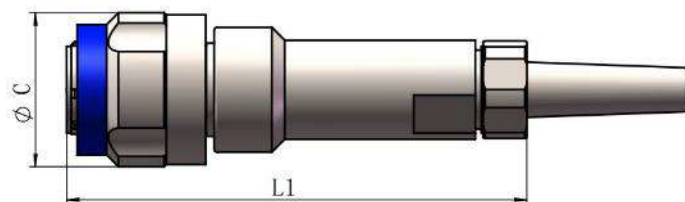
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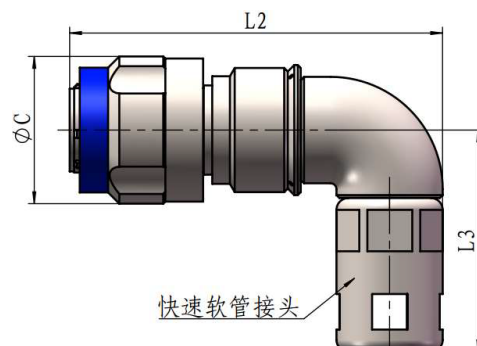
[HTTPS://MATENG.TECH/](https://mateng.tech/)

CONNECTOR DIMENSIONS WITH TAIL ATTACHMENT

PLUG



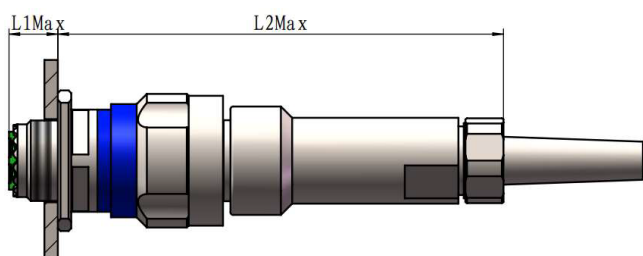
CURVED ATTACHMENT PLUG



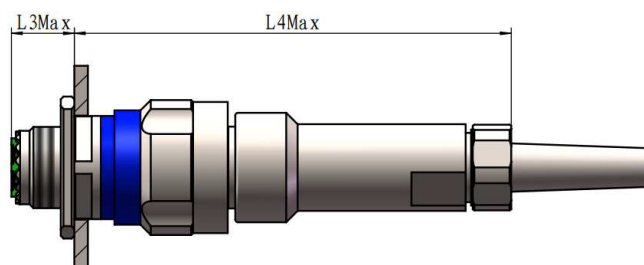
Shell No.	09	11	13	15	17	19	23	25
MS(Shell No.)	A	B	C	D	E	F	H	J
C	21.80	25.00	29.40	32.40	35.60	38.50	44.90	48.00
L1	80.90	74.70	74.20	91.60	109.60	-	160.00	-
L2	63.00	63.00	67.90	68.50	70.66	74.19	80.20	83.41
L3	45.60	44.50	53.40	55.40	63.30	57.00	73.00	80.00

PLUG SOCKET SIZE AFTER INSERTION

SQUARE PLATE FRONT MOUNT/PLUG



SQUARE PLATE REAR MOUNT/PLUG



Shell No.	MS(Shell No.)	L1	L2	L3	L4
09	A	9.30	89.10	11.80	86.60
11	B	9.30	82.90	11.80	80.40
13	C	9.30	82.40	11.80	94.90
15	D	9.30	99.80	11.80	97.30
17	E	9.30	117.80	11.80	115.30