

製品仕様書
Product Specification

3M 印
MDR
ノンシールドシェルストレートタイプ
キット
103XX-42X0-XXX
103XX-52X0-XXX
部品
106XX-4200-XXX
106XX-5200-XXX
3342-XX
10600-L0F0-X

3M Brand
MDR
Non-Shielded Shell Straight Type
Kit
103XX-42X0-XXX
103XX-52X0-XXX
Parts
106XX-4200-XXX
106XX-5200-XXX
3342-XX

以下の改定を行う。但し、これによる仕様書の変更は実施しない。

1. 新計量法試行により、単位系をSI単位系に改定。
-()内の数値は参考値。改定行右端に「新計量改定」と明示。
2. 表紙記述の部門名変更

This specification was revised due to the requirement described below.

1. Using unit was changed to SI unit, because new measurement law came into operation in Japan.
-() is reference value. "Revised by new measurement law" is describes at right side of the revised lines.
2. Division name described in the cover page was changed.

11,Jan.,1999

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SUMITOMO 3M LIMITED

TECHNICAL DEPARTMENT
ELECTRONIC & EH&P PRODUCTS DIVISION

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2 . COMPATIBLE OBJECT

2-1 COMPATIBLE PLUG CONNECTORS

PLUG CONNECTOR

MDR Solder Plug Connector	:101XX-3000 XX
MDR Wire Mount Plug Connector	:101XX-6000 XX

RECEPTACLE CONNECTOR

MDR Wire Mount Receptacle Connector	:102XX-02XO XX
MDR Board Mount Receptacle Connector (Right Angle)	:102XX-52XX XX
MDR Board Mount Receptacle Connector (Straight)	:102XX-62XX XX
MDR Board Mount Receptacle Connector (Condominium)	:10220-L8A9 VE

2-2 COMPATIBLE CABLES

Cable Overall Diameter

14P : ϕ 7.0mm Min. , ϕ 8.0mm Max.
20P : ϕ 11.0mm Min. , ϕ 12.0mm Max. ※
26P : ϕ 11.0mm Min. , ϕ 12.0mm Max. ※
36P : ϕ 15.0mm Min. , ϕ 16.0mm Max.
50P : ϕ 15.0mm Min. , ϕ 16.0mm Max.

※In 20P and 26P , if the cable (ϕ 4 ~ ϕ 9) which is thinner than recommended cable will be used , Compression Insert of 3M brand product should be used. (Refer to JNPS-0173)

2-3 COMPATIBLE PANELS

Panel Thickness : 2.0 mm MAX. (Including with the Thickness of Washer)

However , in case of the use of the Jack Screw L26 Type in combination with the Jack Socket Screw

(Refer to JNPS-0205) , Panel Thickness is only 1.6 mm . (Including with the Thickness of Washer)

3 . RELATED SPECIFICATION DRAWINGS

See JNPD-0135

4. APPLICATION

4-1. PRODUCT NUMBERING INFORMATION

4-1-1 SHELL KIT

1 0 3 XX-X 2 X 0-X X X

COLOR
8 : BLACK (STANDARD PRODUCT)
ANOTHER COLOR SHOULD BE SPECIFIED BY AGREEMENT WITH CUSTOMER.

LOGO MARK
0 : 3M LOGO MARKING 1 : NO MARKING
ANOTHER LOGO MARK SHOULD BE SPECIFIED BY AGREEMENT WITH CUSTOMER.

POLARIZING KEY
0 : NO KEY
M : I NOSEIYPE TYPE M
N : I NOSEIYPE TYPE N
P : I NOSEIYPE TYPE P
Q : I NOSEIYPE TYPE Q
R : I NOSEIYPE TYPE R
S : I NOSEIYPE TYPE S

CABLE CLAMP TYPE
0 : SCREW LOCK TYPE

LOCKING METHOD FOR RECEPTACLE
A : JACK SCREW L30 TYPE (M2.6)
K : JACK SCREW L26 TYPE(M2.6)
F : LATCH TYPE
S : JACK SCREW WITH STOPPER (M2.6)

CABLE EXIT DIRECTION
2 : STRAIGHT TYPE

GROUNDPLATE OF CABLE CLAMP
4 : NOTHING
5 : ATTACHED

INDICATION OF CONTACT QTY
XX : XX pos.
14, 20, 26, 36, 50 p

PRODUCT SERIES NAME
103: MDR SHELL KIT SYSTEM

4-1-2 SHELL PARTS

1 0 6 XX-X 2 0 0-X X X

COLOR
 8 : BLACK (STANDARD PRODUCT)
 ANOTHER COLOR SHOULD BE SPECIFIED
 BY AGREEMENT WITH CUSTOMER.

LOGO MARK
 0: 3M LOGO MARKING 1: NO MARKING
 ANOTHER LOGO MARK SHOULD BE SPECIFIED
 BY AGREEMENT WITH CUSTOMER.

POLARIZING KEY
 0: NO KEY
 M : I NOSEIYPE TYPE M
 N : I NOSEIYPE TYPE N
 P : I NOSEIYPE TYPE P
 Q : I NOSEIYPE TYPE Q
 R : I NOSEIYPE TYPE R
 S : I NOSEIYPE TYPE S

CABLE EXIT DIRECTION
 2 : STRAIGHT TYPE

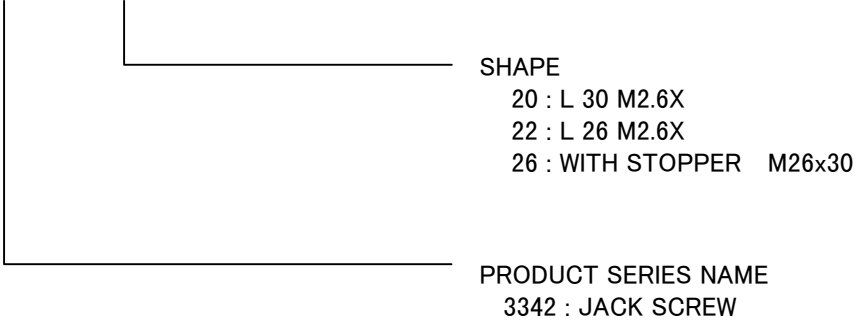
GROUNDPLATE OF CABLE CLAMP
 4 : NOTHING
 5 : ATTACHED

INDICATION OF CONTACT QTY
 XX : XX pos.
 14, 20, 26, 36, 50 p

PRODUCT SERIES NAME
 103: MDR SHELL KIT SYSTEM

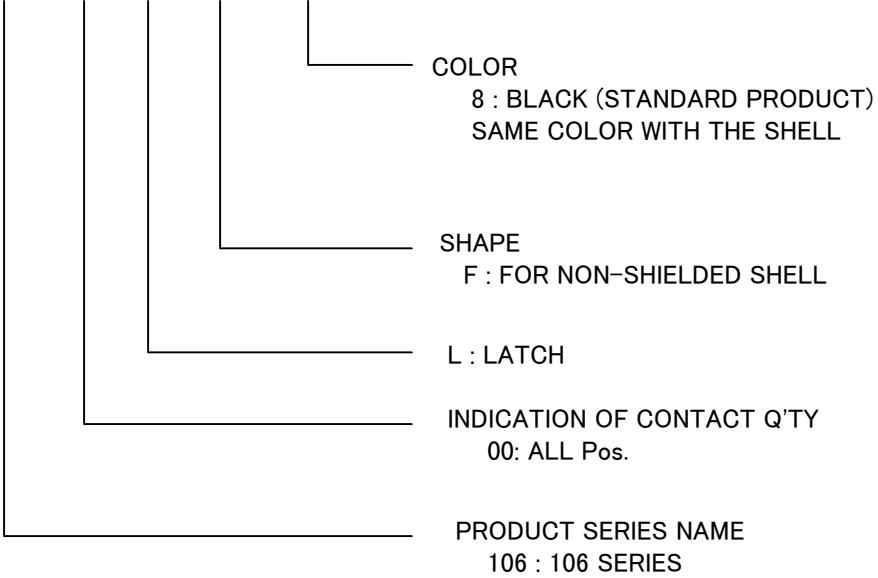
4-1-3 JACK SCREW

3 3 4 2 -XX



5. 4-1-4 LATCH

1 0 6 0 0 -L 0 F 0 -X



5. QUALITY PERFORMANCE

APPLIED TEMPERATURE

— 55°C~85°C

PHYSICAL-CHARACTERISTICS

The value in () is reference

TEST DESCRIPTION	REQUIREMENT	TEST CONDITION	RELATED STANDARD
LATCH RETENTION FORCE (ONLY LATCH TYPE)	DIRECTION X:98.0N (10kgf) DIRECTION Y: 8.4N (8kgf) DIRECTION Z:39.2N (4kgf)	TENSILE SPEED : 20mm/min. (REFER to JNTM-0016)	—————

REVISED BY NEW MEASUREMENT LAW

6 . PACKAGE & IDENTIFY

In this Products, Shell parts and Locking parts are packed separately. Shell parts are packed with the Plastic Tray and the Carton Box for transit. And Locking parts are packed with the Polyethylene Bag and the Carton Box for transit.

The Carton Box are identified the Catalog Number, Quantity, Maker Name and Lot Number.

7 . STORAGE

This Products Shall be Stored in a room. Ambient Temperature 5~35°C, and Ambient Humidity 40~70% .

関連仕様図類／RELATED SPECIFICATION DRAWINGS

- § 1. 適用製品番号／Product No. ----- 103XX-42X0-XXX
 103XX-52X
 106XX-4200-XXX
 106XX-5200-XXX
 10600-LOF0-8
 3342-XX
- § 2. 関連仕様書／Related specification ----- JNPS-0315

§ 3. 製品仕様図面／Drawing list for product specification

DWG No.	TITLE	DESCRIPTION
4U-0010-0618-8	103XX-42X0-XXX,103XX-52X0-XXX DRAWING LIST	
4U-0010-0650-1	103XX-42X0-XXX,103XX-52X0-XXX TABLE OF PART COMPOSITION	
3U-0010-0830-0	MDR NON-SHIELDED SHELL KIT 10314-X2F0-0XX 14P	ASS'Y
3U-0010-0831-8	MDR NON-SHIELDED SHELL KIT 10314-X2A0-0XX 14P	ASS'Y
3U-0010-0902-7	MDR NON-SHIELDED SHELL KIT 10314-X2K0-0XX 14P	ASS'Y
3U-0010-0931-6	MDR NON-SHIELDED SHELL KIT 10314-X2S0-0XX 14P	ASS'Y
3U-0010-0655-1	MDR NON-SHIELDED SHELL KIT 103XX-X2F0-0XX 20P,26P	ASS'Y
3U-0010-0656-9	MDR NON-SHIELDED SHELL KIT 103XX-X2A0-0XX 20P,26P	ASS'Y
3U-0010-0903-5	MDR NON-SHIELDED SHELL KIT 103XX-X2K0-0XX 20P,26P	ASS'Y
3U-0010-0932-4	MDR NON-SHIELDED SHELL KIT 103XX-X2S0-0XX 20P,26P	ASS'Y
3U-0010-0706-2	MDR NON-SHIELDED SHELL KIT 103XX-X2F0-0XX 36P,50P	ASS'Y
3U-0010-0704-7	MDR NON-SHIELDED SHELL KIT 103XX-X2A0-0XX 36P,50P	ASS'Y
3U-0010-0904-3	MDR NON-SHIELDED SHELL KIT 103XX-X2K0-0XX 36P,50P	ASS'Y
3U-0010-0933-2	MDR NON-SHIELDED SHELL KIT 103XX-X2S0-0XX 36P,50P	ASS'Y
2U-0010-0148-8	MDR NON-SHIELDED SHELL KIT 10320-X2F0-XXX 20P	ASS'Y
2U-0010-0149-6	MDR NON-SHIELDED SHELL KIT 10320-X2A0-XXX 20P	ASS'Y
2U-0010-0188-4	MDR NON-SHIELDED SHELL KIT 10320-X2K0-XXX 20P	ASS'Y
2U-0010-0240-3	MDR NON-SHIELDED SHELL KIT 10320-X2S0-XXX 20P	ASS'Y
3U-0010-0934-0	MDR NON-SHIELDED SHELL KIT SHELL SUB ASS'Y 10614-X200-0XX 14P	
3U-0010-0935-7	MDR NON-SHIELDED SHELL KIT SHELL SUB ASS'Y 106XX-X200-0XX 20P,26P	
3U-0010-0936-5	MDR NON-SHIELDED SHELL KIT SHELL SUB ASS'Y 106XX-X200-0XX 36P,50P	
3U-0010-0241-1	MDR NON-SHIELDED SHELL KIT SHELL SUB ASS'Y 10620-X200-XXX 20P	14P
3U-0010-0827-6	MDR NON-SHIELDED SHELL KIT CABLE CLAMP SUB ASS'Y 14P	20P,26P
3U-0010-0828-4	MDR NON-SHIELDED SHELL KIT CABLE CLAMP SUB ASS'Y 20P,26P	36P,50P
3U-0010-0829-2	MDR NON-SHIELDED SHELL KIT CABLE CLAMP SUB ASS'Y 36P,50P	
4U-0010-0614-7	MDR NON-SHIELDED SHELL KIT LATCH SUB ASS'Y 10600-LOF0-8	
4U-0010-0615-4	MDR NON-SHIELDED SHELL KIT JACK SCREW L30 M2.6X30 3342-20	
4U-0010-0629-5	MDR NON-SHIELDED SHELL KIT JACK SCREW L26 M2.6X30 3342-22	
4U-0010-0649-3	MDR NON-SHIELDED SHELL KIT JACK SCREW WITH STOPPER M2.6 3342-26	

§ 4 .推奨パネルカット/Recommended panel cut

DWG No.	TITLE	DESCRIPTION
4U-0010-0173-4	MDR CONN. RECOMMENDED PANEL CUT OUT	
3U-0010-0832-6	MDR CONN. RECOMMENDED PANEL CUT OUT POLA-KEY TYPE M,N,P,Q,R,S	

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