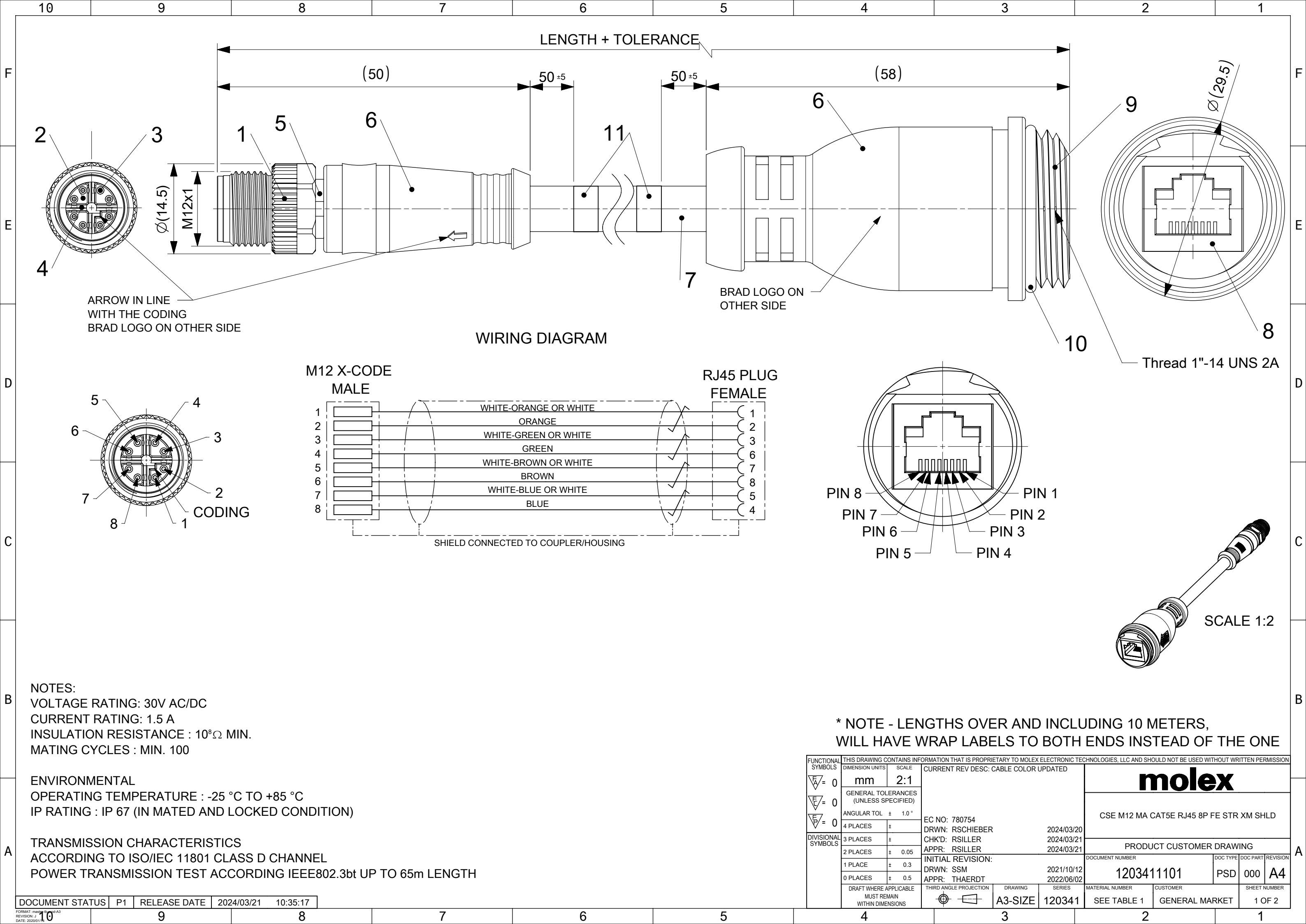




[illegible][illegible]

F

E

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PART No. MATRIX

E

5

2

E

0

3

0

2

1

M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
2 = M12 x Coding
5 = RJ45 FE

WIRING TYPE:
E=8 Pole (STRAIGHT WIRED)

HEADS STYLE:
060 = MALE STR / FE RJ45 STR

CABLE TYPE :
CABLE 21

UNITS:
M= METER
T= 10xMETER

LENGTH EXAMPLES:
005=0.5 m
010=1 m
150=15 m
T100=100 m

H= 2 PCS. OF I/D Carrier

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	LENGTH(mm)
1203411101	E52E03021M005	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 0.5M SHLD	500
1203411102	E52E03021M010	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 1M SHLD	1000
1203411103	E52E03021M020	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 2M SHLD	2000
1203411104	E52E03021M030	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 3M SHLD	3000
1203411105	E52E03021M040	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 4M SHLD	4000
1203411106	E52E03021M050	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 5M SHLD	5000
1203411107	E52E03021M060	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 6M SHLD	6000
1203411108	E52E03021M100	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 10M SHLD	10000

BILL OF MATERIAL:

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	COUPLING NUT	BRASS	Ni PLATED
2	1	INSERT	PA	BLACK
3	8	CONTACT M12 XC MALE	BRASS	Au PLATED
4	1	SHIELDING CROSS	Zn DIE-CAST	-
5	1	SHIELDING SHELL	BRASS	Ni PLATED
6	-	OVERMOULD	TPU	BLACK
7	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
8	1	PLUG RJ45 FEMALE	-	-
9	1	SHELL	ABS	-
10	1	GASKET	VITON	BLACK
11	1/2	WRAP LABEL(SEE * NOTE)	VINYL	YELLOW
DOCUMENT STATUS		P1	RELEASE DATE	2024/03/21 10:35:17

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% length

FUNCTIONAL SYMBOLS

=

0

=

0

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120341

INITIAL REVISION:

DRWN: SSM

APP: THAERTD

EC NO: 780754

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2024/03/20

2024/03/21

2024/03/21

2022/06/02

CURRENT REV DESC: CABLE COLOR UPDATED

molex

CSE M12 MA CAT5E RJ45 8P FE STR XM SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1203411101

DOC TYPE

PSD

DOC PART

000

REVISION

A4

MATERIAL NUMBER

SEE TABLE 1

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 2

10

9

8

7

6

5

4

3

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1

F

E

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10987654321

PART No. MATRIX

E

5

2

E

0

3

0

2

1

M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
2 = M12 x Coding
5 = RJ45 FE

WIRING TYPE:
E=8 Pole (STRAIGHT WIRED)

HEADS STYLE:
060 = MALE STR / FE RJ45 STR

CABLE TYPE :
CABLE 21

UNITS:
M= METER
T= 10xMETER

LENGTH EXAMPLES:
005=0.5 m
010=1 m
150=15 m
T100=100 m

H= 2 PCS. OF I/D Carrier

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	LENGTH(mm)
1203411101	E52E03021M005	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 0.5M SHLD	500
1203411102	E52E03021M010	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 1M SHLD	1000
1203411103	E52E03021M020	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 2M SHLD	2000
1203411104	E52E03021M030	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 3M SHLD	3000
1203411105	E52E03021M040	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 4M SHLD	4000
1203411106	E52E03021M050	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 5M SHLD	5000
1203411107	E52E03021M060	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 6M SHLD	6000
1203411108	E52E03021M100	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 10M SHLD	10000

BILL OF MATERIAL:

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	COUPLING NUT	BRASS	Ni PLATED
2	1	INSERT	PA	BLACK
3	8	CONTACT M12 XC MALE	BRASS	Au PLATED
4	1	SHIELDING CROSS	Zn DIE-CAST	-
5	1	SHIELDING SHELL	BRASS	Ni PLATED
6	-	OVERMOULD	TPU	BLACK
7	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
8	1	PLUG RJ45 FEMALE	-	-
9	1	SHELL	ABS	-
10	1	GASKET	VITON	BLACK
11	1/2	WRAP LABEL(SEE * NOTE)	VINYL	YELLOW

DOCUMENT STATUS	P1	RELEASE DATE	2024/03/21	10:35:17															
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FORMAT: moxa-dwg-03-A3
REVISION: -
DATE: 2020/01/11

FUNCTIONAL SYMBOLS

= 0

= 0

= 0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
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THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

120341

SEE TABLE 1

GENERAL MARKET

2 OF 2

EC NO: 780754
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER
INITIAL REVISION:
DRWN: SSM
APPR: THAERDT

2024/03/20
2024/03/21
2024/03/21
2021/10/12
2022/06/02

CURRENT REV DESC: CABLE COLOR UPDATED

molex

CSE M12 MA CAT5E RJ45 8P FE STR XM SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1203411101

PSD

000

A4

10987654321

F

E

D

C

B

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10987654321

PART No. MATRIX

E52E03021MXXX

E=ETHERNET/
EthernetHEADS:
2 = M12 x Coding
5 = RJ45 FEWIRING TYPE:
E=8 Pole (STRAIGHT WIRED)HEADS STYLE:
060 = MALE STR / FE RJ45 STRCABLE TYPE :
CABLE 21UNITS:
M= METER
T= 10xMETERLENGTH EXAMPLES:
005=0.5 m
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1203411105	E52E03021M040	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 4M SHLD	4000
1203411106	E52E03021M050	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 5M SHLD	5000
1203411107	E52E03021M060	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 6M SHLD	6000
1203411108	E52E03021M100	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 10M SHLD	10000

BILL OF MATERIAL:

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
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2	1	INSERT	PA	BLACK
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FUNCTIONAL SYMBOLSDIMENSION UNITSSCALECURRENT REV DESC: CABLE COLOR UPDATEDEC NO: 780754DRWN: RSCHIEBER2024/03/20CHK'D: RSILLERAPP'R: RSILLER2024/03/21INITIAL REVISION:DRWN: SSMAPP'R: THAERTD2022/06/02DOCUMENT NUMBER1203411101DOC TYPEPSDDOC PART000REVISIONA4THIRD ANGLE PROJECTIONDRAWINGSERIESA3-SIZE120341MATERIAL NUMBERSEE TABLE 1CUSTOMERGEERAL MARKETSHEET NUMBERTHEAT OF 2

10987654321

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10987654321

PART No. MATRIX

E

5

2

E

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3

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2

1

M

X

X

X

X

E=ETHERNET/
Ethernet

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CABLE 21

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>20 m - 30 m	+160 mm
>30 m	+1% length

FUNCTIONAL SYMBOLS

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EC NO: 780754

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: SSM

APPR: THAERTD

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CABLE COLOR UPDATED

molex

CSE M12 MA CAT5E RJ45 8P FE STR XM SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

2024/03/20

2024/03/21

2024/03/21

2021/10/12

2022/06/02

1203411101

PSD

000

A4

SEE TABLE 1

GENERAL MARKET

2 OF 2

10987654321

FORMAT: moxa3

REVISION: A3

DATE: 2020/01/11