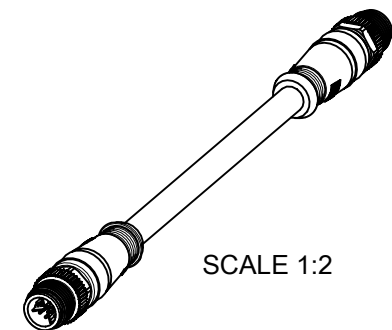
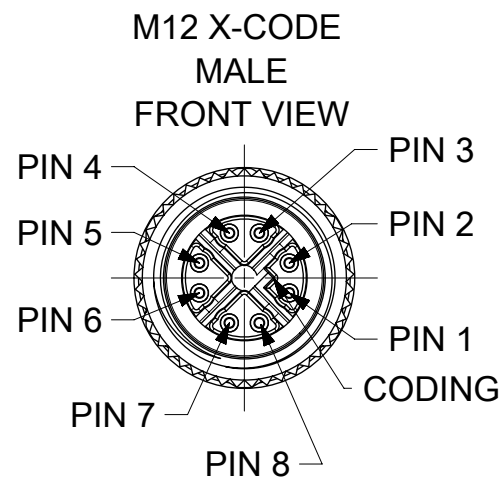
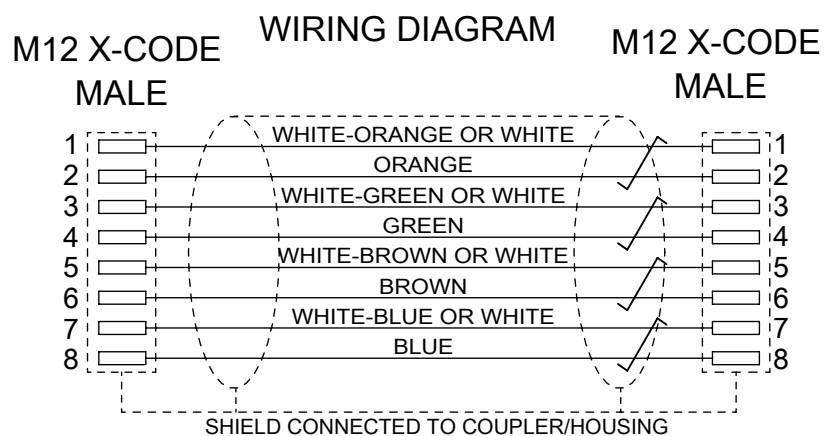
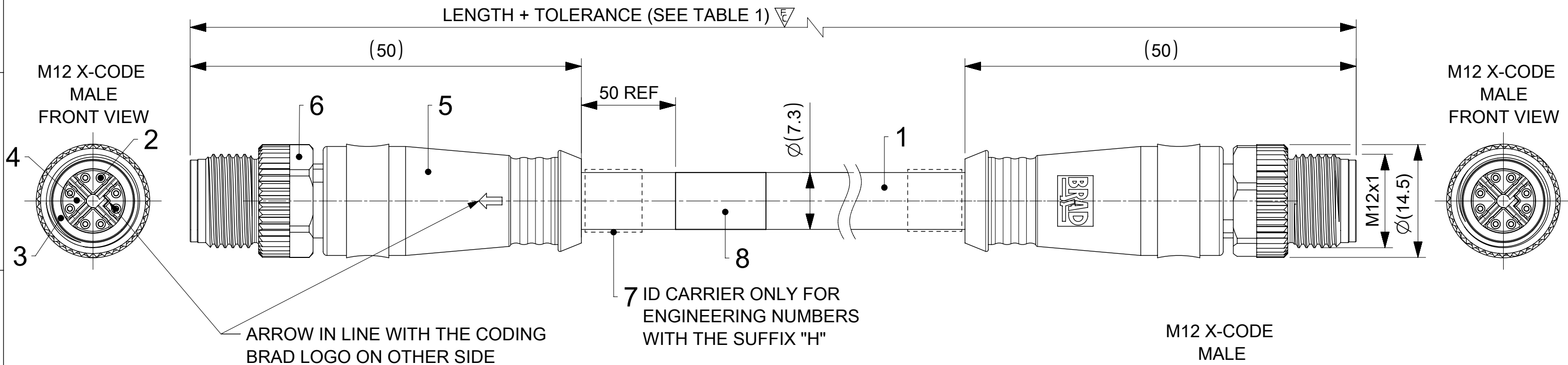


PART No. MATRIX

|                                           |                            |   |                                           |   |                          |   |                                   |   |                                                                    |   |   |                          |   |
|-------------------------------------------|----------------------------|---|-------------------------------------------|---|--------------------------|---|-----------------------------------|---|--------------------------------------------------------------------|---|---|--------------------------|---|
| E                                         | 2                          | 2 | E                                         | 0 | 6                        | 0 | 2                                 | 1 | M                                                                  | X | X | X                        | X |
| E=ETHERNET/<br>Ethernet                   | HEADS:<br>1 = M12 D-Coding |   | HEADS STYLE:<br>060 = MALE STR / MALE STR |   | CABLE TYPE :<br>CABLE 21 |   | UNITS:<br>M= METER<br>T=10x METER |   | LENGTH EXAMPLES:<br>005=0.5 m<br>010=1 m<br>150=15 m<br>T100=100 m |   |   | H= 2 PCS. OF I/D Carrier |   |
| WIRING TYPE:<br>E=8 Pole (STRAIGHT WIRED) |                            |   |                                           |   |                          |   |                                   |   |                                                                    |   |   |                          |   |



| BILL OF MATERIAL                                            |     |                            |          |              |
|-------------------------------------------------------------|-----|----------------------------|----------|--------------|
| ITEM                                                        | QTY | DESCRIPTION                | MATERIAL | FINISH/COLOR |
| 1                                                           | 1   | CABLE 4X(2X AWG26/7) CAT 7 | TPE      | GREEN        |
| 2                                                           | 16  | CONTACT M12 XC MALE        | BRASS    | Au PLATED    |
| 3                                                           | 2   | SHIELD SLEEVE              | Zn       | Ni PLATED    |
| 4                                                           | 2   | INSERT M12 XC MALE         | PA       | BLACK        |
| 5                                                           | -   | MOULDING MATERIAL          | TPU      | BLACK        |
| 6                                                           | 2   | M12 HYBRID COUPLING NUT    | BRASS    | Ni PLATED    |
| 7                                                           | 2   | I/D CARRIER 6-10mmx30mm    | PVC      | TRANSPARENT  |
| 8                                                           | 1   | LABEL 2.0X1.75             | VINYL    | YELLOW       |
| DOCUMENT STATUS   P1   RELEASE DATE   2022/01/25   10:26:15 |     |                            |          |              |

|                                                                                                           |                                                                                                                                               |                        |        |         |                                   |        |        |                               |  |                |                 |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|---------|-----------------------------------|--------|--------|-------------------------------|--|----------------|-----------------|
| FUNCTIONAL SYMBOLS<br><div>FA = 0</div> <div>FE = 1</div> <div>FE = 0</div> <div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |        |         |                                   |        |        |                               |  |                |                 |
|                                                                                                           | DIMENSION UNITS                                                                                                                               |                        | SCALE  |         | CURRENT REV DESC: NOTE CHANGED    |        |        | <div>molex</div>              |  |                |                 |
|                                                                                                           | mm                                                                                                                                            |                        | 2:1    |         |                                   |        |        |                               |  |                |                 |
|                                                                                                           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        |        |         | CSE M12 CAT6A 8P XC MA STR TPE XM |        |        |                               |  |                |                 |
|                                                                                                           | ANGULAR TOL ± 1.0°                                                                                                                            |                        |        |         |                                   |        |        |                               |  |                |                 |
|                                                                                                           | 4 PLACES                                                                                                                                      |                        | ±      |         | EC NO: 692351                     |        |        | PRODUCT CUSTOMER DRAWING      |  |                |                 |
|                                                                                                           | 3 PLACES                                                                                                                                      |                        | ±      |         | DRWN: ARPITT 2022/01/19           |        |        |                               |  |                |                 |
|                                                                                                           | 2 PLACES                                                                                                                                      |                        | ± 0.05 |         | CHK'D: RSILLER 2022/01/25         |        |        |                               |  |                |                 |
|                                                                                                           | 1 PLACE                                                                                                                                       |                        | ± 0.3  |         | APPR: RSILLER 2022/01/25          |        |        | DOCUMENT NUMBER<br>1203410863 |  |                |                 |
|                                                                                                           | 0 PLACES                                                                                                                                      |                        | ± 0.5  |         | INITIAL REVISION:                 |        |        |                               |  |                |                 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                      |                                                                                                                                               | THIRD ANGLE PROJECTION |        |         | DRAWING                           |        | SERIES |                               |  |                | DOC TYPE<br>PSD |
|                                                                                                           |                                                                                                                                               |                        |        | A3-SIZE |                                   | 120341 |        | DOC PART<br>000               |  | REVISION<br>A5 |                 |
|                                                                                                           |                                                                                                                                               |                        |        |         |                                   |        |        | SHEET NUMBER<br>1 OF 2        |  |                |                 |

TABLE 1

| MOLEX P/N  | ENGINEERING NO. | DESCRIPTION                        | LENGTH |
|------------|-----------------|------------------------------------|--------|
| 1203410941 | E22E06021M003   | M12 CAT6A M/M ST/ST TPE GREEN 0.3M | 300    |
| 1203410863 | E22E06021M005   | M12 CAT6A M/M ST/ST TPE GREEN 0.5M | 500    |
| 1203410864 | E22E06021M010   | M12 CAT6A M/M ST/ST TPE GREEN 1M   | 1000   |
| 1203410865 | E22E06021M020   | M12 CAT6A M/M ST/ST TPE GREEN 2M   | 2000   |
| 1203410866 | E22E06021M030   | M12 CAT6A M/M ST/ST TPE GREEN 3M   | 3000   |
| 1203410867 | E22E06021M040   | M12 CAT6A M/M ST/ST TPE GREEN 4M   | 4000   |
| 1203410868 | E22E06021M050   | M12 CAT6A M/M ST/ST TPE GREEN 5M   | 5000   |
| 1203410869 | E22E06021M060   | M12 CAT6A M/M ST/ST TPE GREEN 6M   | 6000   |
| 1203410895 | E22E06021M070   | M12 CAT6A M/M ST/ST TPE GREEN 7M   | 7000   |
| 1203410870 | E22E06021M080   | M12 CAT6A M/M ST/ST TPE GREEN 8M   | 8000   |
| 1203410896 | E22E06021M090   | M12 CAT6A M/M ST/ST TPE GREEN 9M   | 9000   |
| 1203410871 | E22E06021M100   | M12 CAT6A M/M ST/ST TPE GREEN 10M  | 10000  |
| 1203410942 | E22E06021M120   | M12 CAT6A M/M ST/ST TPE GREEN 12M  | 12000  |
| 1203410943 | E22E06021M140   | M12 CAT6A M/M ST/ST TPE GREEN 14M  | 14000  |
| 1203410872 | E22E06021M150   | M12 CAT6A M/M ST/ST TPE GREEN 15M  | 15000  |
| 1203410944 | E22E06021M180   | M12 CAT6A M/M ST/ST TPE GREEN 18M  | 18000  |
| 1203410873 | E22E06021M200   | M12 CAT6A M/M ST/ST TPE GREEN 20M  | 20000  |
| 1203410945 | E22E06021M230   | M12 CAT6A M/M ST/ST TPE GREEN 23M  | 23000  |
| 1203410946 | E22E06021M270   | M12 CAT6A M/M ST/ST TPE GREEN 27M  | 27000  |
| 1203410947 | E22E06021M300   | M12 CAT6A M/M ST/ST TPE GREEN 30M  | 30000  |
| 1203410948 | E22E06021M340   | M12 CAT6A M/M ST/ST TPE GREEN 34M  | 34000  |
| 1203410949 | E22E06021M380   | M12 CAT6A M/M ST/ST TPE GREEN 38M  | 38000  |
| 1203410950 | E22E06021M420   | M12 CAT6A M/M ST/ST TPE GREEN 42M  | 42000  |
| 1203410951 | E22E06021M460   | M12 CAT6A M/M ST/ST TPE GREEN 46M  | 46000  |
| 1203410952 | E22E06021M500   | M12 CAT6A M/M ST/ST TPE GREEN 50M  | 50000  |
| 1203410953 | E22E06021M540   | M12 CAT6A M/M ST/ST TPE GREEN 54M  | 54000  |
| 1203410954 | E22E06021M570   | M12 CAT6A M/M ST/ST TPE GREEN 57M  | 57000  |
| 1203410955 | E22E06021M610   | M12 CAT6A M/M ST/ST TPE GREEN 61M  | 61000  |
| 1203410956 | E22E06021M650   | M12 CAT6A M/M ST/ST TPE GREEN 65M  | 65000  |
| 1203410957 | E22E06021M700   | M12 CAT6A M/M ST/ST TPE GREEN 70M  | 70000  |

TABLE 1

| WITH ID CARRIER |                 |                                       |        |
|-----------------|-----------------|---------------------------------------|--------|
| MOLEX P/N       | ENGINEERING NO. | DESCRIPTION                           | LENGTH |
| 1203410999      | E22E06021M005H  | M12 CAT6A M/M ST/ST TPE GREEN 0.5M-ID | 500    |
| 1203411031      | E22E06021M010H  | M12 CAT6A M/M ST/ST TPE GREEN 1M-ID   | 1000   |
| 1203411032      | E22E06021M020H  | M12 CAT6A M/M ST/ST TPE GREEN 2M-ID   | 2000   |
| 1203411033      | E22E06021M030H  | M12 CAT6A M/M ST/ST TPE GREEN 3M-ID   | 3000   |
| 1203411034      | E22E06021M040H  | M12 CAT6A M/M ST/ST TPE GREEN 4M-ID   | 4000   |
| 1203411003      | E22E06021M050H  | M12 CAT6A M/M ST/ST TPE GREEN 5M-ID   | 5000   |
| 1203411092      | E22E06021M060H  | M12 CAT6A M/M ST/ST TPE GREEN 6M-ID   | 6000   |
| 1203411093      | E22E06021M070H  | M12 CAT6A M/M ST/ST TPE GREEN 7M-ID   | 7000   |
| 1203411094      | E22E06021M080H  | M12 CAT6A M/M ST/ST TPE GREEN 8M-ID   | 8000   |
| 1203411000      | E22E06021M100H  | M12 CAT6A M/M ST/ST TPE GREEN 10M-ID  | 10000  |
| 1203411035      | E22E06021M120H  | M12 CAT6A M/M ST/ST TPE GREEN 12M-ID  | 12000  |
| 1203411036      | E22E06021M150H  | M12 CAT6A M/M ST/ST TPE GREEN 15M-ID  | 15000  |
| 1203411037      | E22E06021M200H  | M12 CAT6A M/M ST/ST TPE GREEN 20M-ID  | 20000  |
| 1203410918      | E22E06021M250H  | M12 CAT6A M/M ST/ST TPE GREEN 25M-ID  | 25000  |
| 1203410919      | E22E06021M300H  | M12 CAT6A M/M ST/ST TPE GREEN 30M-ID  | 30000  |
| 1203410920      | E22E06021M350H  | M12 CAT6A M/M ST/ST TPE GREEN 35M-ID  | 35000  |
| 1203410978      | E22E06021M400H  | M12 CAT6A M/M ST/ST TPE GREEN 40M-ID  | 40000  |
| 1203410979      | E22E06021M450H  | M12 CAT6A M/M ST/ST TPE GREEN 45M-ID  | 45000  |
| 1203410921      | E22E06021M500H  | M12 CAT6A M/M ST/ST TPE GREEN 50M-ID  | 50000  |
| 1203410980      | E22E06021M550H  | M12 CAT6A M/M ST/ST TPE GREEN 55M-ID  | 55000  |
| 1203411001      | E22E06021M600H  | M12 CAT6A M/M ST/ST TPE GREEN 60M-ID  | 60000  |
| 1203410981      | E22E06021M650H  | M12 CAT6A M/M ST/ST TPE GREEN 65M-ID  | 65000  |
| 1203410982      | E22E06021M700H  | M12 CAT6A M/M ST/ST TPE GREEN 70M-ID  | 70000  |
| 1203410983      | E22E06021M750H  | M12 CAT6A M/M ST/ST TPE GREEN 75M-ID  | 75000  |
| 1203411002      | E22E06021M850H  | M12 CAT6A M/M ST/ST TPE GREEN 85M-ID  | 85000  |
| 1203411038      | E22E06021M800H  | M12 CAT6A M/M ST/ST TPE GREEN 80M-ID  | 80000  |

NOTES:

VOLTAGE RATING: 48 V

CURRENT RATING: 0.5 A

TEMPERATURE RATING:

STATIC: -40 °C TO 80 °C

DYNAMIC: -25 °C TO 80 °C

IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)

TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS E<sub>A</sub> CHANNEL,

WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS  $\leq 1$  m OR  $\geq 65$  m

PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/01/25 | 10:26:15 |
|-----------------|----|--------------|------------|----------|

## 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                                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | DIMENSION UNITS                                                                                                                               |  | SCALE  |                        | CURRENT REV DESC: NOTE CHANGED |         |  |        | <div>molex</div>                                                                                  |                 |          |                |                                   |              |  |
|                                                            | mm                                                                                                                                            |  | 1:1    |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | 4 PLACES                                                                                                                                      |  | ±      |                        |                                |         |  |        | EC NO: 692351<br>DRWN: ARPITT 2022/01/19<br>CHK'D: RSILLER 2022/01/25<br>APPR: RSILLER 2022/01/25 |                 |          |                | CSE M12 CAT6A 8P XC MA STR TPE XM |              |  |
|                                                            | 3 PLACES                                                                                                                                      |  | ±      |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | 2 PLACES                                                                                                                                      |  | ± 0.05 |                        | PRODUCT CUSTOMER DRAWING       |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | 1 PLACE                                                                                                                                       |  | ± 0.3  |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            | 0 PLACES                                                                                                                                      |  | ± 0.5  |                        | DOCUMENT NUMBER                |         |  |        | DOC TYPE                                                                                          |                 | DOC PART |                | REVISION                          |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION |                                | DRAWING |  | SERIES |                                                                                                   | MATERIAL NUMBER |          | CUSTOMER       |                                   | SHEET NUMBER |  |
|                                                            |                                                                                                                                               |  |        |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            |                                                                                                                                               |  |        |                        |                                |         |  |        |                                                                                                   |                 |          |                |                                   |              |  |
|                                                            |                                                                                                                                               |  |        |                        |                                | A3-SIZE |  | 120341 |                                                                                                   | SEE TABLE 1     |          | GENERAL MARKET |                                   | 2 OF 2       |  |