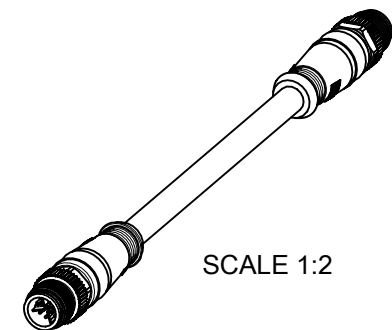
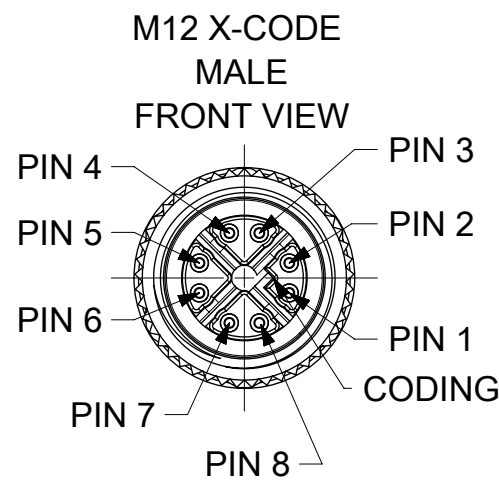
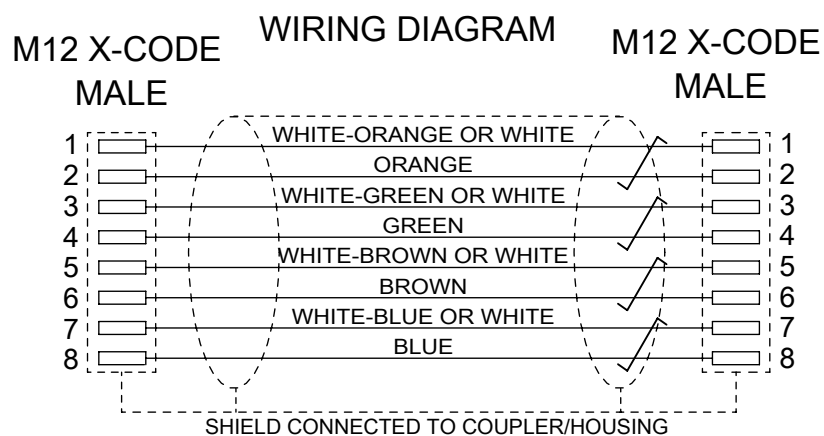
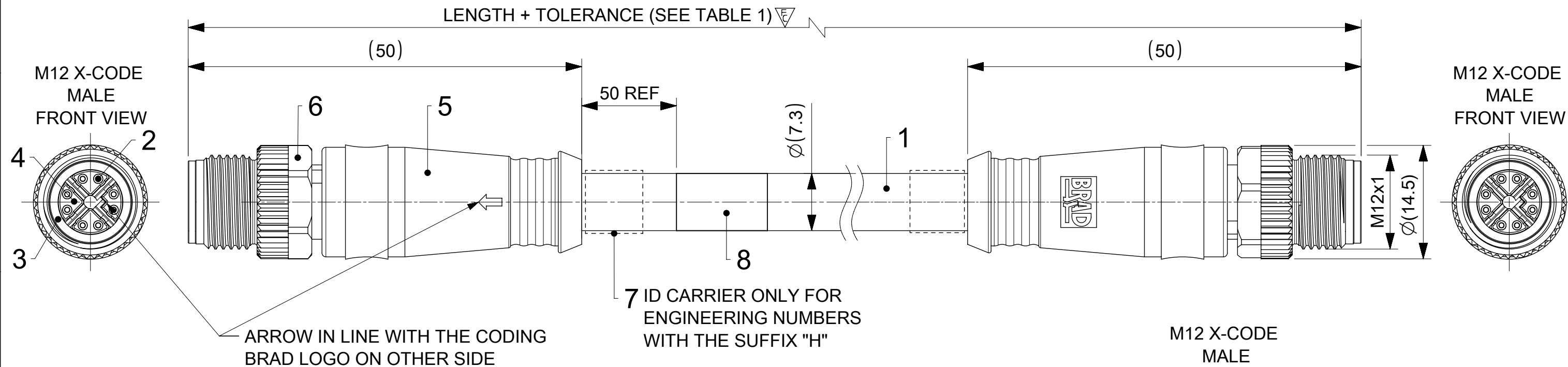
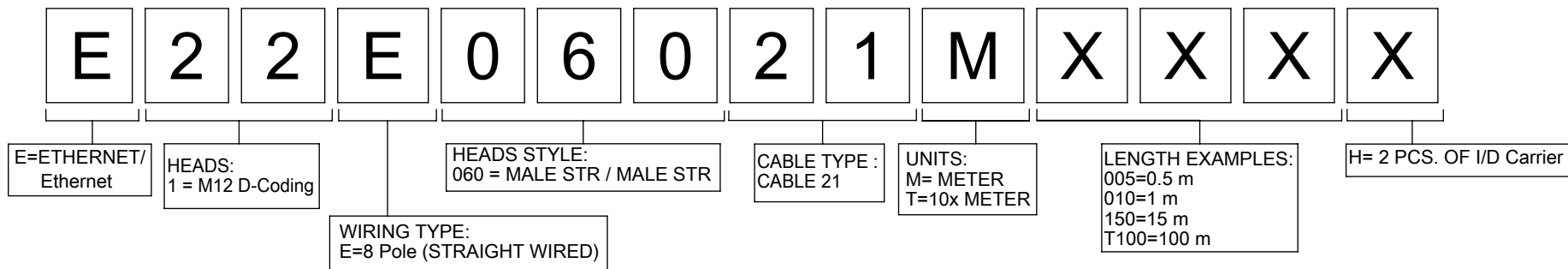


PART No. MATRIX



BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION                | MATERIAL | FINISH/COLOR               |
|------|-----|----------------------------|----------|----------------------------|
| 1    | 1   | CABLE 4X(2X AWG26/7) CAT 7 | TPE      | GREEN TEAL SIMILAR RAL6026 |
| 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 2024/03/21 10:35:13

| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 | CURRENT REV DESC: CABLE COLOR UPDATED |         |                |          |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|---------|----------------|----------|
|                                                      | DIMENSION UNITS                                                                                                                               | SCALE           |                                       |         |                |          |
| $\nabla_A = 0$                                       | mm                                                                                                                                            | 2:1             |                                       |         |                |          |
| $\nabla_E = 1$                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                 |                                       |         |                |          |
| $\nabla_F = 0$                                       | ANGULAR TOL                                                                                                                                   | $\pm 1.0^\circ$ |                                       |         |                |          |
| DIVISIONAL SYMBOLS                                   | 4 PLACES                                                                                                                                      | $\pm$           |                                       |         |                |          |
|                                                      | 3 PLACES                                                                                                                                      | $\pm$           |                                       |         |                |          |
|                                                      | 2 PLACES                                                                                                                                      | $\pm 0.05$      |                                       |         |                |          |
|                                                      | 1 PLACE                                                                                                                                       | $\pm 0.3$       |                                       |         |                |          |
|                                                      | 0 PLACES                                                                                                                                      | $\pm 0.5$       |                                       |         |                |          |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |                 | THIRD ANGLE PROJECTION                | DRAWING | SERIES         |          |
|                                                      |                                                                                                                                               |                 |                                       | A3-SIZE | 120341         |          |
|                                                      |                                                                                                                                               |                 | MATERIAL NUMBER                       |         | CUSTOMER       |          |
|                                                      |                                                                                                                                               |                 | SEE TABLE 1                           |         | GENERAL MARKET |          |
|                                                      |                                                                                                                                               |                 | DOCUMENT NUMBER                       |         | DOC TYPE       | DOC PART |
|                                                      |                                                                                                                                               |                 | 1203410863                            |         | PSD            | 000      |
|                                                      |                                                                                                                                               |                 | REVISION                              |         | SHEET NUMBER   |          |
|                                                      |                                                                                                                                               |                 | A8                                    |         | 1 OF 2         |          |

|            |                 |                                                         |        |                 |                 |                                                            |        |   |   |  |
|------------|-----------------|---------------------------------------------------------|--------|-----------------|-----------------|------------------------------------------------------------|--------|---|---|--|
| 10         | 9               | 8                                                       | 7      | 6               | 5               | 4                                                          | 3      | 2 | 1 |  |
| TABLE 1    |                 |                                                         |        |                 |                 |                                                            |        |   |   |  |
| MOLEX P/N  | ENGINEERING NO. | DESCRIPTION                                             | LENGTH | TABLE 1         |                 |                                                            |        |   |   |  |
| 1203410941 | E22E06021M003   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.3M | 300    | WITH ID CARRIER |                 |                                                            |        |   |   |  |
| 1203410863 | E22E06021M005   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.5M | 500    | MOLEX P/N       | ENGINEERING NO. | DESCRIPTION                                                | LENGTH |   |   |  |
| 1203410864 | E22E06021M010   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M   | 1000   | 1203410999      | E22E06021M005H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.5M-ID | 500    |   |   |  |
| 1203410865 | E22E06021M020   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M   | 2000   | 1203411031      | E22E06021M010H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M-ID   | 1000   |   |   |  |
| 1203410866 | E22E06021M030   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M   | 3000   | 1203411032      | E22E06021M020H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M-ID   | 2000   |   |   |  |
| 1203410867 | E22E06021M040   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M   | 4000   | 1203411033      | E22E06021M030H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M-ID   | 3000   |   |   |  |
| 1203410868 | E22E06021M050   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M   | 5000   | 1203411034      | E22E06021M040H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M-ID   | 4000   |   |   |  |
| 1203410869 | E22E06021M060   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 6M   | 6000   | 1203411003      | E22E06021M050H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M-ID   | 5000   |   |   |  |
| 1203410895 | E22E06021M070   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 7M   | 7000   | 1203411092      | E22E06021M060H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 6M-ID   | 6000   |   |   |  |
| 1203410870 | E22E06021M080   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 8M   | 8000   | 1203411093      | E22E06021M070H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 7M-ID   | 7000   |   |   |  |
| 1203410896 | E22E06021M090   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 9M   | 9000   | 1203411094      | E22E06021M080H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 8M-ID   | 8000   |   |   |  |
| 1203410871 | E22E06021M100   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M  | 10000  | 1203411000      | E22E06021M100H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M-ID  | 10000  |   |   |  |
| 1203410942 | E22E06021M120   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 12M  | 12000  | 1203411035      | E22E06021M120H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 12M-ID  | 12000  |   |   |  |
| 1203410943 | E22E06021M140   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 14M  | 14000  | 1203411036      | E22E06021M150H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M-ID  | 15000  |   |   |  |
| 1203410872 | E22E06021M150   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M  | 15000  | 1203411037      | E22E06021M200H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M-ID  | 20000  |   |   |  |
| 1203410944 | E22E06021M180   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 18M  | 18000  | 1203410918      | E22E06021M250H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 25M-ID  | 25000  |   |   |  |
| 1203410873 | E22E06021M200   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M  | 20000  | 1203410919      | E22E06021M300H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M-ID  | 30000  |   |   |  |
| 1203410945 | E22E06021M230   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 23M  | 23000  | 1203410920      | E22E06021M350H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 35M-ID  | 35000  |   |   |  |
| 1203410946 | E22E06021M270   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 27M  | 27000  | 1203410978      | E22E06021M400H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 40M-ID  | 40000  |   |   |  |
| 1203410947 | E22E06021M300   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M  | 30000  | 1203410979      | E22E06021M450H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 45M-ID  | 45000  |   |   |  |
| 1203410948 | E22E06021M340   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 34M  | 34000  | 1203410921      | E22E06021M500H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 50M-ID  | 50000  |   |   |  |
| 1203410949 | E22E06021M380   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 38M  | 38000  | 1203410980      | E22E06021M550H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 55M-ID  | 55000  |   |   |  |
| 1203410950 | E22E06021M420   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 42M  | 42000  | 1203411001      | E22E06021M600H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 60M-ID  | 60000  |   |   |  |
| 1203410951 | E22E06021M460   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 46M  | 46000  | 1203410981      | E22E06021M650H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 65M-ID  | 65000  |   |   |  |
| 1203410952 | E22E06021M500   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 50M  | 50000  | 1203410982      | E22E06021M700H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 70M-ID  | 70000  |   |   |  |
| 1203410953 | E22E06021M540   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 54M  | 54000  | 1203410983      | E22E06021M750H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 75M-ID  | 75000  |   |   |  |
| 1203410954 | E22E06021M570   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 57M  | 57000  | 1203411002      | E22E06021M850H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 85M-ID  | 85000  |   |   |  |
| 1203410955 | E22E06021M610   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 61M  | 61000  | 1203411038      | E22E06021M800H  | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 80M-ID  | 80000  |   |   |  |
| 1203410956 | E22E06021M650   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 65M  | 65000  |                 |                 |                                                            |        |   |   |  |
| 1203410957 | E22E06021M700   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 70M  | 70000  |                 |                 |                                                            |        |   |   |  |
| 1203411133 | E22E06021M950   | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 95M  | 95000  |                 |                 |                                                            |        |   |   |  |

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

PRODUCT POE++ PERFORMANCED TESTED UP TO 65m LENGTH

PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

|                           |    |              |            |          |   |   |   |   |   |   |   |
|---------------------------|----|--------------|------------|----------|---|---|---|---|---|---|---|
| DOCUMENT STATUS           | P1 | RELEASE DATE | 2024/03/21 | 10:35:13 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| FORMAT: mspc1600x1000d-A3 |    |              |            |          |   |   |   |   |   |   |   |
| REVISION: J               |    |              |            |          |   |   |   |   |   |   |   |
| DATE: 20200111            |    |              |            |          |   |   |   |   |   |   |   |