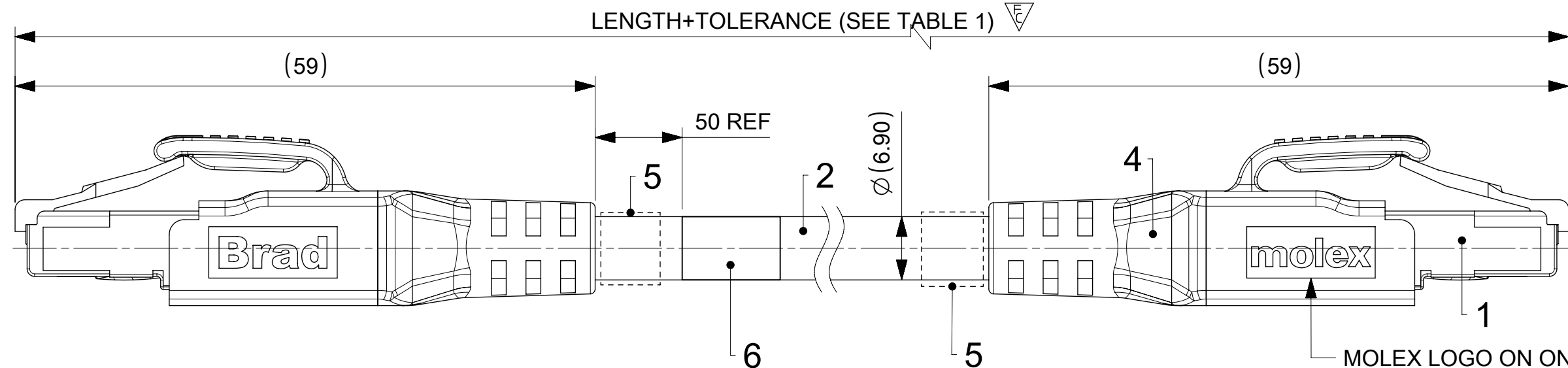
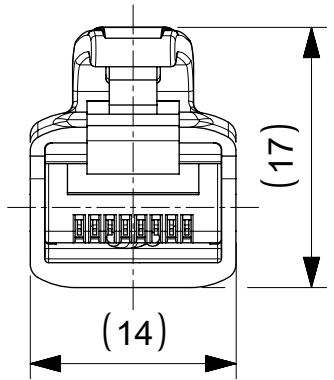
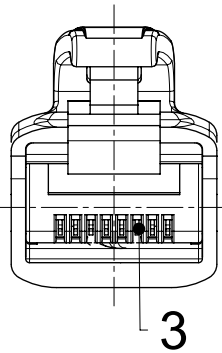


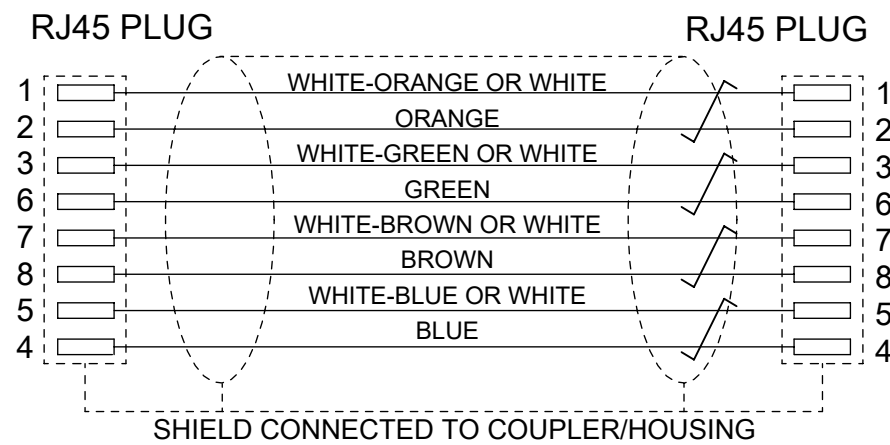
RJ45 PLUG  
FRONT VIEW



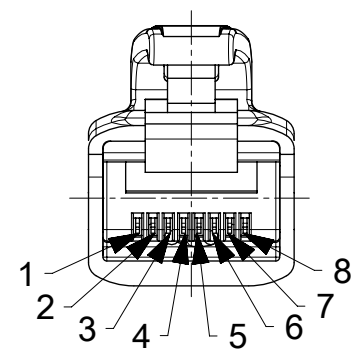
RJ45 PLUG  
FRONT VIEW



WIRING DIAGRAM



RJ45 PLUG  
FRONT VIEW

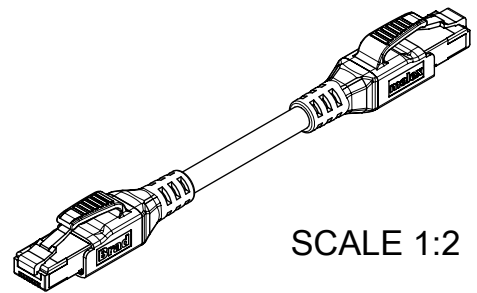


NOTES:  
VOLTAGE RATING: 30 V A.C. OR 42 V D.C.  
CURRENT RATING: 0.5 A  
TEMPERATURE RATING:  
STATIC: -40 °C TO 80 °C  
DYNAMIC: -20 °C TO 80 °C  
IP RATING: IP 20  
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS E<sub>A</sub> CHANNEL,  
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS <1 m OR ≥65 m  
PRODUCT POE++ PERFORMANCED TESTED UP TO 65m LENGTH  
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION                   | MATERIAL        | FINISH/COLOR        |
|------|-----|-------------------------------|-----------------|---------------------|
| 1    | 2   | RJ45-PLUG 8P8C SHLD LONG BODY | -               | -                   |
| 2    | 1   | CABLE 4X2X26/7AWG DIA 6.9     | PUR             | GREEN               |
| 3    | 16  | CONTACT RJ45                  | PHOSPHOR BRONZE | SELECTIVE Au PLATED |
| 4    | -   | OVERMOLD                      | TPU             | BLACK               |
| 5    | 2   | I/D CARRIER 6-10mmx30mm       | PVC             | TRANSPARENT         |
| 6    | 1   | LABEL 2.0X1.75                | VINYL           | YELLOW              |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/08/29 | 13:52:05 |
|-----------------|----|--------------|------------|----------|



SCALE 1:2

|                    |                                                                                                                                               |                           |                             |  |                                |                          |             |                                                          |                |              |          |          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|--|--------------------------------|--------------------------|-------------|----------------------------------------------------------|----------------|--------------|----------|----------|
| 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: ADD POE NOTE |                          |             | <div>molex</div> <div>CSE RJ45 CAT6A 8P STR PUR XM</div> |                |              |          |          |
|                    | mm                                                                                                                                            |                           | 2:1                         |  |                                |                          |             |                                                          |                |              |          |          |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                           |                             |  |                                |                          |             |                                                          |                |              |          |          |
|                    | ANGULAR TOL ± 1.0 °                                                                                                                           |                           | EC NO: 760691               |  |                                | PRODUCT CUSTOMER DRAWING |             |                                                          |                |              |          |          |
| 4 PLACES ±         |                                                                                                                                               | DRWN: MBLOESER 2023/07/12 |                             |  |                                |                          |             |                                                          |                |              |          |          |
| 3 PLACES ±         |                                                                                                                                               | CHK'D: RSILLER 2023/08/29 |                             |  |                                |                          |             |                                                          |                |              |          |          |
| DIVISIONAL SYMBOLS | 2 PLACES ± 0.05                                                                                                                               |                           | APPR: RSILLER 2023/08/29    |  |                                | DOCUMENT NUMBER          |             |                                                          |                | DOC TYPE     | DOC PART | REVISION |
|                    | 1 PLACE ± 0.3                                                                                                                                 |                           | INITIAL REVISION:           |  |                                | 1203410600               |             | PSD                                                      | 000            | A6           |          |          |
|                    | 0 PLACES ± 0.5                                                                                                                                |                           | DRWN: MDHARMANTI 2019/10/10 |  |                                |                          |             |                                                          |                |              |          |          |
|                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |                           | APPR: RSILLER 2019/10/15    |  |                                | MATERIAL NUMBER          |             | CUSTOMER                                                 |                | SHEET NUMBER |          |          |
|                    |                                                                                                                                               |                           | THIRD ANGLE PROJECTION      |  | DRAWING                        | SERIES                   | SEE TABLE 1 |                                                          | GENERAL MARKET |              | 1 OF 2   |          |

|                                                                                                                                               |   |            |   |                 |   |                                               |   |             |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---|------------|---|-----------------|---|-----------------------------------------------|---|-------------|---|
| 10                                                                                                                                            | 9 | 8          | 7 | 6               | 5 | 4                                             | 3 | 2           | 1 |
| TABLE 1                                                                                                                                       |   |            |   |                 |   |                                               |   |             |   |
| MOLEX PN                                                                                                                                      |   |            |   | ENGINEERING NO. |   | DESCRIPTION                                   |   | LENGTH [mm] |   |
| 1203410600                                                                                                                                    |   |            |   | E66E06020M005   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 0.5M    |   | 500         |   |
| 1203410601                                                                                                                                    |   |            |   | E66E06020M010   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 1M      |   | 1000        |   |
| 1203410602                                                                                                                                    |   |            |   | E66E06020M020   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 2M      |   | 2000        |   |
| 1203410603                                                                                                                                    |   |            |   | E66E06020M030   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 3M      |   | 3000        |   |
| 1203410604                                                                                                                                    |   |            |   | E66E06020M040   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 4M      |   | 4000        |   |
| 1203410605                                                                                                                                    |   |            |   | E66E06020M050   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 5M      |   | 5000        |   |
| 1203410606                                                                                                                                    |   |            |   | E66E06020M100   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 10M     |   | 10000       |   |
| 1203410607                                                                                                                                    |   |            |   | E66E06020M150   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 15M     |   | 15000       |   |
| 1203410960                                                                                                                                    |   |            |   | E66E06020M200   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 20M     |   | 20000       |   |
| 1203410862                                                                                                                                    |   |            |   | E66E06020M250   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 25M     |   | 25000       |   |
| 1203410961                                                                                                                                    |   |            |   | E66E06020M300   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 30M     |   | 30000       |   |
| 1203410962                                                                                                                                    |   |            |   | E66E06020M400   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 40M     |   | 40000       |   |
| 1203410963                                                                                                                                    |   |            |   | E66E06020M500   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 50M     |   | 50000       |   |
| 1203410909                                                                                                                                    |   |            |   | E66E06020M550   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 55M     |   | 55000       |   |
| 1203410964                                                                                                                                    |   |            |   | E66E06020M600   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 60M     |   | 60000       |   |
| 1203410910                                                                                                                                    |   |            |   | E66E06020M650   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 65M     |   | 65000       |   |
| 1203410965                                                                                                                                    |   |            |   | E66E06020M700   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 70M     |   | 70000       |   |
| 1203410966                                                                                                                                    |   |            |   | E66E06020M800   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 80M     |   | 80000       |   |
| 1203410934                                                                                                                                    |   |            |   | E66E06020M900   |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 90M     |   | 90000       |   |
| WITH ID CARRIER                                                                                                                               |   |            |   |                 |   |                                               |   |             |   |
| 1203410608                                                                                                                                    |   |            |   | E66E06020M005H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 0.5M-ID |   | 500         |   |
| 1203410609                                                                                                                                    |   |            |   | E66E06020M010H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 1M-ID   |   | 1000        |   |
| 1203410610                                                                                                                                    |   |            |   | E66E06020M020H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 2M-ID   |   | 2000        |   |
| 1203410967                                                                                                                                    |   |            |   | E66E06020M030H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 3M-ID   |   | 3000        |   |
| 1203410611                                                                                                                                    |   |            |   | E66E06020M050H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 5M-ID   |   | 5000        |   |
| 1203410971                                                                                                                                    |   |            |   | E66E06020M060H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 6M-ID   |   | 6000        |   |
| 1203410970                                                                                                                                    |   |            |   | E66E06020M080H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 8M-ID   |   | 8000        |   |
| 1203410612                                                                                                                                    |   |            |   | E66E06020M100H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 10M-ID  |   | 10000       |   |
| 1203410613                                                                                                                                    |   |            |   | E66E06020M150H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 15M-ID  |   | 15000       |   |
| 1203410969                                                                                                                                    |   |            |   | E66E06020M170H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 17M-ID  |   | 17000       |   |
| 1203410620                                                                                                                                    |   |            |   | E66E06020M200H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 20M-ID  |   | 20000       |   |
| 1203410973                                                                                                                                    |   |            |   | E66E06020M250H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 25M-ID  |   | 25000       |   |
| 1203410621                                                                                                                                    |   |            |   | E66E06020M300H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 30M-ID  |   | 30000       |   |
| 1203410622                                                                                                                                    |   |            |   | E66E06020M400H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 40M-ID  |   | 40000       |   |
| 1203410968                                                                                                                                    |   |            |   | E66E06020M460H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 46M-ID  |   | 46000       |   |
| 1203410623                                                                                                                                    |   |            |   | E66E06020M500H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 50M-ID  |   | 50000       |   |
| 1203410972                                                                                                                                    |   |            |   | E66E06020M530H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 53M-ID  |   | 53000       |   |
| 1203410624                                                                                                                                    |   |            |   | E66E06020M600H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 60M-ID  |   | 60000       |   |
| 1203410625                                                                                                                                    |   |            |   | E66E06020M700H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 70M-ID  |   | 70000       |   |
| 1203410913                                                                                                                                    |   |            |   | E66E06020M800H  |   | CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 80M-ID  |   | 80000       |   |
| 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 |   |            |   |                 |   |                                               |   |             |   |
| CURRENT REV DESC: ADD POE NOTE                                                                                                                |   |            |   |                 |   |                                               |   |             |   |
| molex                                                                                                                                         |   |            |   |                 |   |                                               |   |             |   |
| CSE RJ45 CAT6A 8P STR PUR XM                                                                                                                  |   |            |   |                 |   |                                               |   |             |   |
| PRODUCT CUSTOMER DRAWING                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| DOCUMENT NUMBER                                                                                                                               |   |            |   |                 |   |                                               |   |             |   |
| 1203410600                                                                                                                                    |   |            |   |                 |   |                                               |   |             |   |
| DOC TYPE                                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| PSD                                                                                                                                           |   |            |   |                 |   |                                               |   |             |   |
| DOC PART                                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| 000                                                                                                                                           |   |            |   |                 |   |                                               |   |             |   |
| REVISION                                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| A6                                                                                                                                            |   |            |   |                 |   |                                               |   |             |   |
| INITIAL REVISION:                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| DRWN: MDHARMANTI                                                                                                                              |   |            |   |                 |   |                                               |   |             |   |
| 2019/10/10                                                                                                                                    |   |            |   |                 |   |                                               |   |             |   |
| APPR: RSILLER                                                                                                                                 |   |            |   |                 |   |                                               |   |             |   |
| 2019/10/15                                                                                                                                    |   |            |   |                 |   |                                               |   |             |   |
| DRAFT WHERE APPLICABLE                                                                                                                        |   |            |   |                 |   |                                               |   |             |   |
| MUST REMAIN WITHIN DIMENSIONS                                                                                                                 |   |            |   |                 |   |                                               |   |             |   |
| THIRD ANGLE PROJECTION                                                                                                                        |   |            |   |                 |   |                                               |   |             |   |
| DRAWING                                                                                                                                       |   |            |   |                 |   |                                               |   |             |   |
| A3-SIZE                                                                                                                                       |   |            |   |                 |   |                                               |   |             |   |
| SERIES                                                                                                                                        |   |            |   |                 |   |                                               |   |             |   |
| 120341                                                                                                                                        |   |            |   |                 |   |                                               |   |             |   |
| MATERIAL NUMBER                                                                                                                               |   |            |   |                 |   |                                               |   |             |   |
| SEE TABLE 1                                                                                                                                   |   |            |   |                 |   |                                               |   |             |   |
| CUSTOMER                                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| GENERAL MARKET                                                                                                                                |   |            |   |                 |   |                                               |   |             |   |
| SHEET NUMBER                                                                                                                                  |   |            |   |                 |   |                                               |   |             |   |
| 2 OF 2                                                                                                                                        |   |            |   |                 |   |                                               |   |             |   |
| DOCUMENT STATUS                                                                                                                               |   |            |   |                 |   |                                               |   |             |   |
| P1                                                                                                                                            |   |            |   |                 |   |                                               |   |             |   |
| RELEASE DATE                                                                                                                                  |   |            |   |                 |   |                                               |   |             |   |
| 2023/08/29                                                                                                                                    |   |            |   |                 |   |                                               |   |             |   |
| 13:52:05                                                                                                                                      |   |            |   |                 |   |                                               |   |             |   |
| 10                                                                                                                                            |   |            |   |                 |   |                                               |   |             |   |
| 9                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 8                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 7                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 6                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 5                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 4                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 3                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 2                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |
| 1                                                                                                                                             |   |            |   |                 |   |                                               |   |             |   |