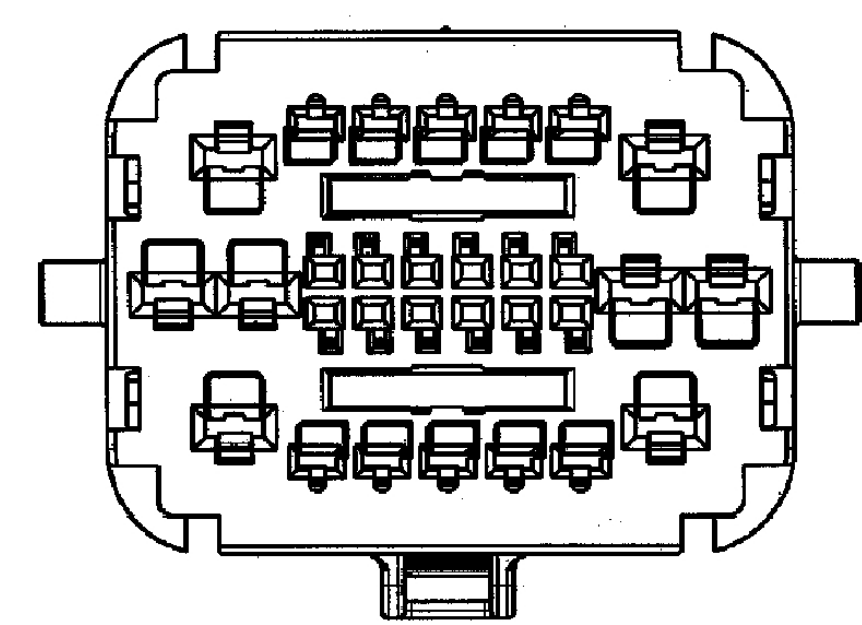
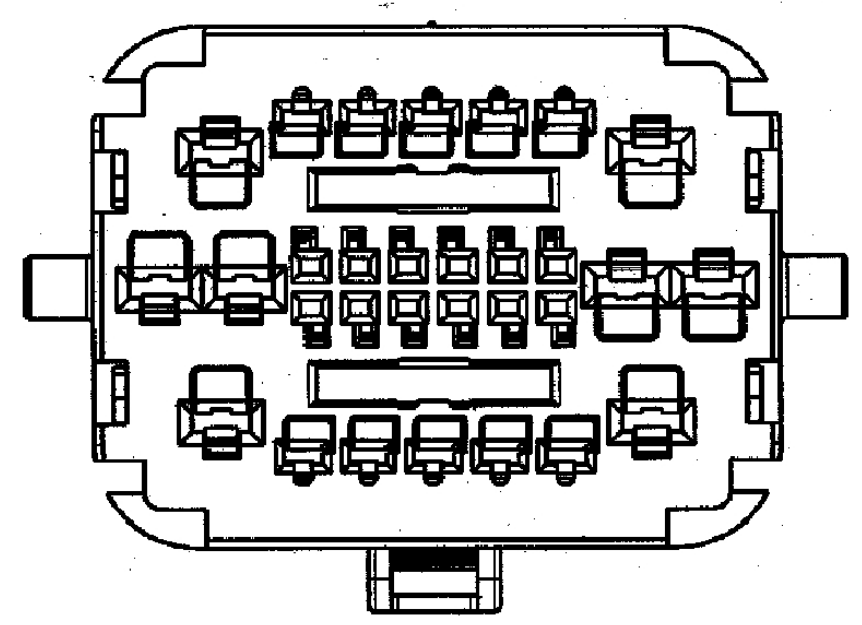
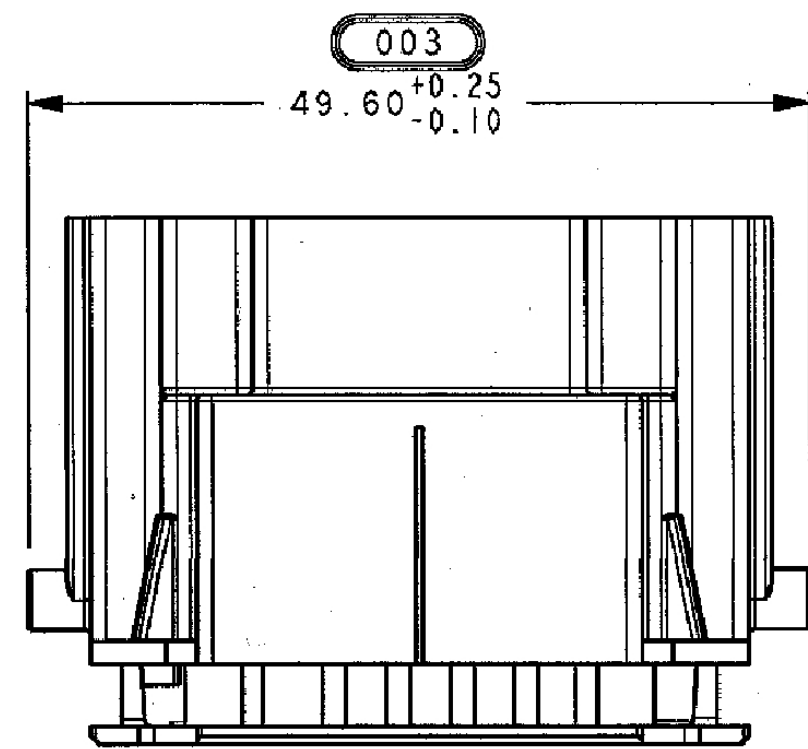


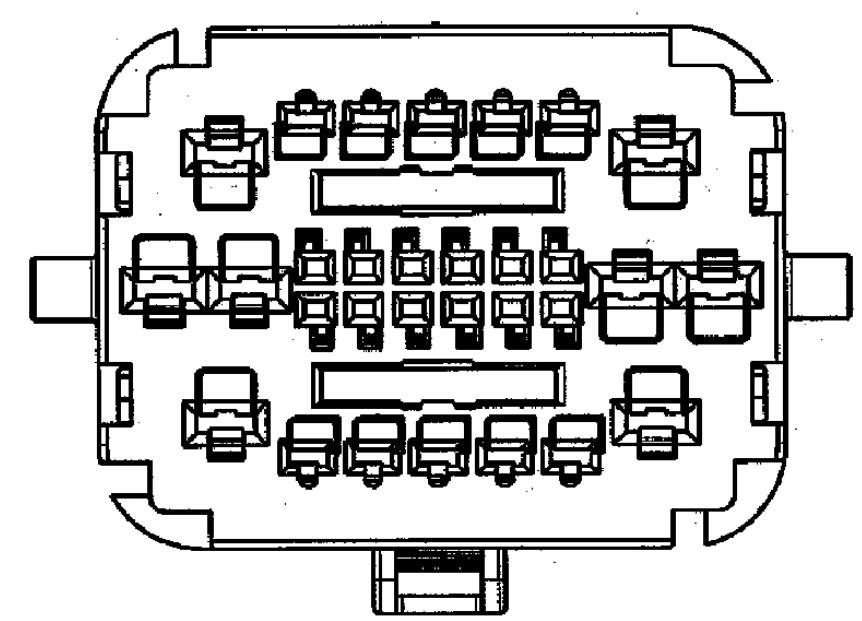
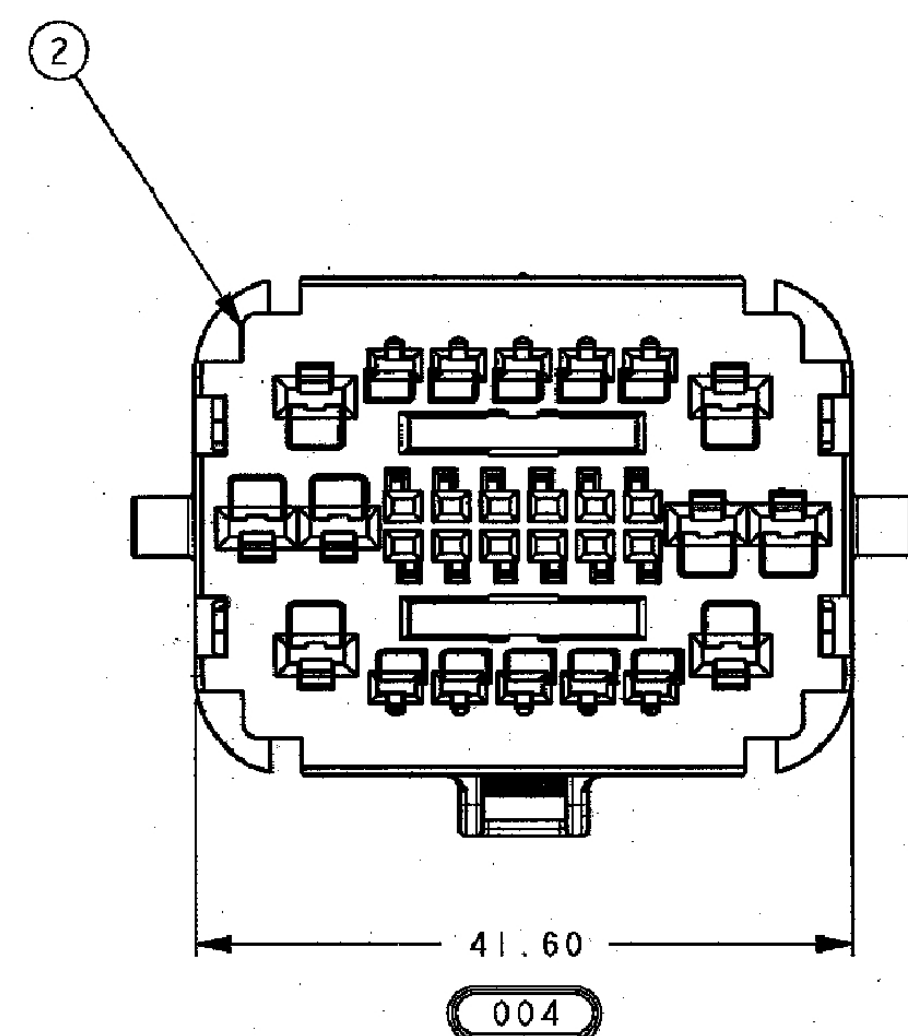
SEE CHART FOR  
ACTUAL PART NUMBER



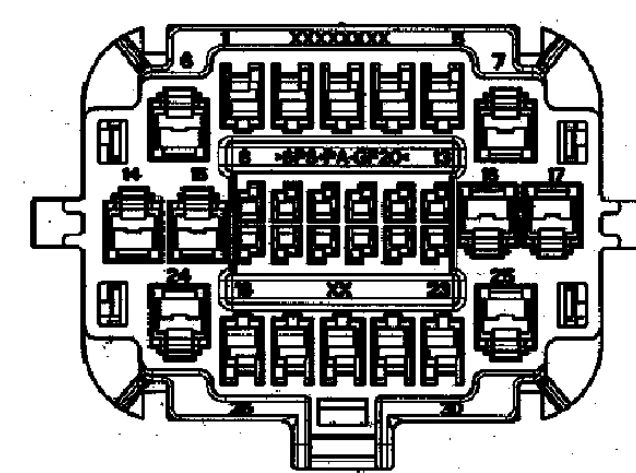
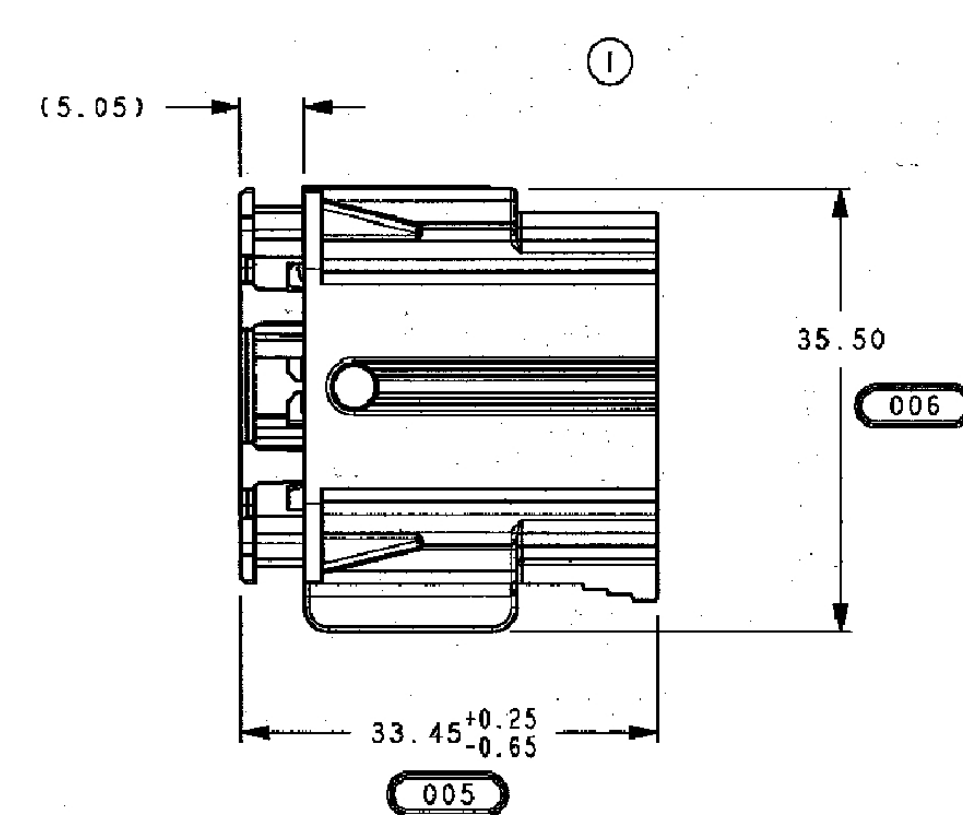
POLARIZATION A



POLARIZATION B



POLARIZATION C



SCALE 1:1

UNLESS OTHERWISE SPECIFIED:

TOLERANCE ON:  
1 PLACE DIMENSIONS  $\pm 0.25$   
2 PLACE DIMENSIONS  $\pm 0.10$   
ANGULAR DIMENSIONS  $\pm 2^\circ$

ENGINEERING APPROVAL OF SUPPLIER SAMPLES IS REQUIRED  
FOR WIRE PRIOR TO AUTHORIZATION OF PART PRODUCTION

INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING  
DIMENSION(S) OR SPECIFICATION(S): 0

TPA MUST BE CORRECTLY POSITIONED IN PRE-LOADED STATE FOR  
TERMINAL INSERTION INTO CAVITIES

TPA MUST BE COMPLETELY REMOVED FROM CONNECTOR HOUSING  
TO SERVICE (REMOVE) A TERMINAL/WIRE ASSEMBLY

TESTING: MUST COMPLY WITH ALL APPLICABLE SECTIONS OF  
FORD SDS REV. 10  
SAE/JSCAR - 2 REV. 4  
SAE/JSCAR - 20 REV. 1  
SAE/JSCAR - 12

EXCEPTIONS:  
MINIMUM PRIMARY LOCK RETENTION FORCE WITH PLR  
AND MOISTURE CONDITIONING ON 0.64mm CAVITIES ONLY: 55N

TERMINAL CRIMP WIRE BRUSH MUST BE MINIMIZED AND TERMINAL  
CRIMP BELL-MOUTH AND TRANSITION FLARE MUST BE LESS THAN  
THE MAXIMUM ALLOWABLE WIDTH OF THE TERMINAL BOX

INSPECTION CANNOT LAST USED 006

| SEE CHART   | -           | -        | -   | -              |
|-------------|-------------|----------|-----|----------------|
| PART NUMBER | PART NUMBER | REV DATE | REV | DRAWING NUMBER |
| F.C.I.      |             |          |     | CUSTOMER       |

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

DIMENSIONS ARE TO FACE OF VIEW SHOWN AND  
AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION  
(SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL  
OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL  
BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

| CHART - ASSEMBLY PART NUMBERS |                  |                   |                     |  |
|-------------------------------|------------------|-------------------|---------------------|--|
|                               | FCI PART NUMBERS | FORD PART NUMBERS | DELPHI PART NUMBERS |  |
|                               | 54393027         | TBD               | TBD                 |  |
|                               | 54393026         | TBD               | TBD                 |  |
|                               | 54393025         | 4R3T-14489-BC     | 15466082            |  |

|  | ITEM | FCI PART NUMBERS | PART NAME                  | COLOR    |
|--|------|------------------|----------------------------|----------|
|  | I    | 54393004         | INSULATOR - POLARIZATION A | BLACK    |
|  | I    | 54393005         | INSULATOR - POLARIZATION B | LT. GRAY |
|  | I    | 54393006         | INSULATOR - POLARIZATION C | NATURAL  |
|  | I    | 54393007         | TPA FEMALE                 | DK. GRAY |

|          |          |                   |      |                          |           |            |          |
|----------|----------|-------------------|------|--------------------------|-----------|------------|----------|
| 15466082 | 54393025 | 4R3T - 14489 - BC | 101  | 33504426                 | 54393004A | 33503744   | 54393007 |
| PART NO  | PART NO  | CUSTOMER PART NO  | TYPE | APTIV PN                 | MVL PN    | APTIV PN   | MVL PN   |
| APTIV    | MVL      |                   |      | INSULATOR POLARIZATION A |           | TPA FEMALE |          |

TOLERANCE UNLESS  
OTHERWISE SPECIFIED:  
DECIMAL: ANGULAR: SEE DWG  
TWO PLACE: SEE DWG  
THREE PLACE: SEE DWG

| DWG STATUS |     |     |     | ZONE | REVISION HISTORY                       |  | AUTH   | DR  | APVD | APVD |
|------------|-----|-----|-----|------|----------------------------------------|--|--------|-----|------|------|
| DATE       | STG | REV | N/P | CHG  |                                        |  |        |     |      |      |
| 220C03     | R   | 01  | -   | -    | RELEASED                               |  | 247837 | LEG | LEG  | VEC  |
| 02JN04     | R   | 01  | AA  | -    | DWG UPDATED TO LATEST PRINT            |  | 255615 | EGA | JFC  | VC   |
| 03AP06     | R   | 02  | -   | -    | DWG UPDATED TO LATEST PRINT            |  | 279228 | CDC | CDC  | PP   |
| 26AP06     | R   | 02  | AA  | -    | DRAWING UPDATED TO LATEST PRINT        |  | 279993 | HH  | HH   | PP   |
| 16MY06     | R   | 02  | AB  | -    | CHANGE DIST. CODE                      |  | 280658 | CDC | CDC  | PP   |
| 03ND20     | R   | 02  | AC  | -    | ADDED PART NUMBER CROSS-REFERENCE DATA |  | 552839 | LGD | JAA  | JAF  |

| REVISION |     |     |     | DRAWING NO. |  |  |  |
|----------|-----|-----|-----|-------------|--|--|--|
| DATE     | STG | REV | N/P | CHG         |  |  |  |
| 04/13/06 | L   | 01  | -   | -           |  |  |  |
| 11/08/05 | L   | 01  | -   | -           |  |  |  |
| 5-26-04  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-04-03  | L   | 01  | -   | -           |  |  |  |
| 4-19-04  | L   | 01  | -   | -           |  |  |  |
| 1-21/04  | L   | 01  | -   | -           |  |  |  |
| 1-13-04  | L   | 01  | -   | -           |  |  |  |
| 8-0      |     |     |     |             |  |  |  |