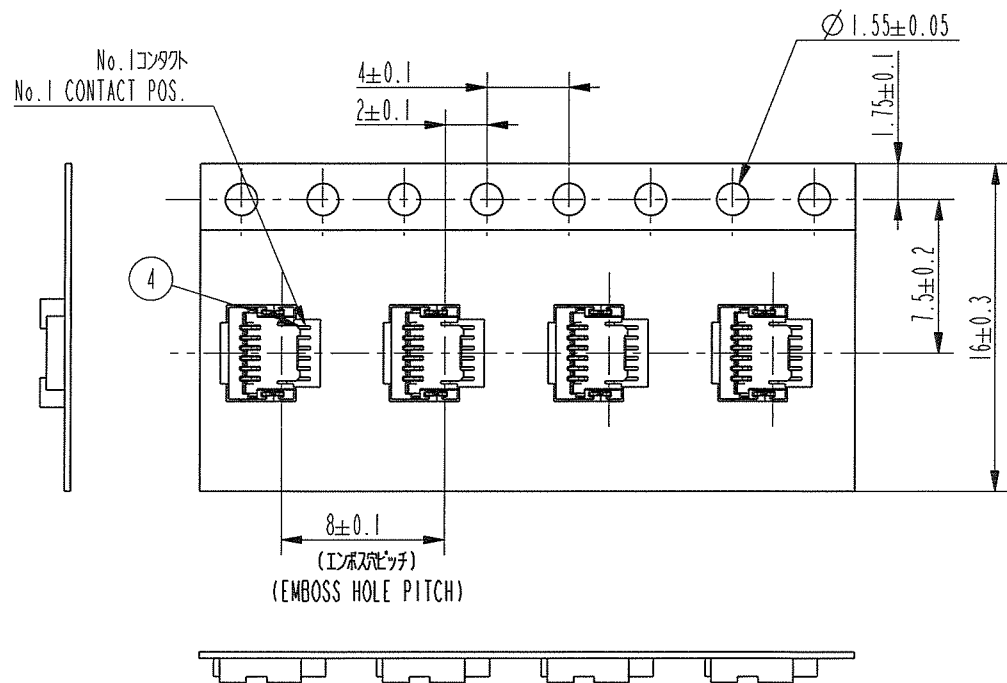
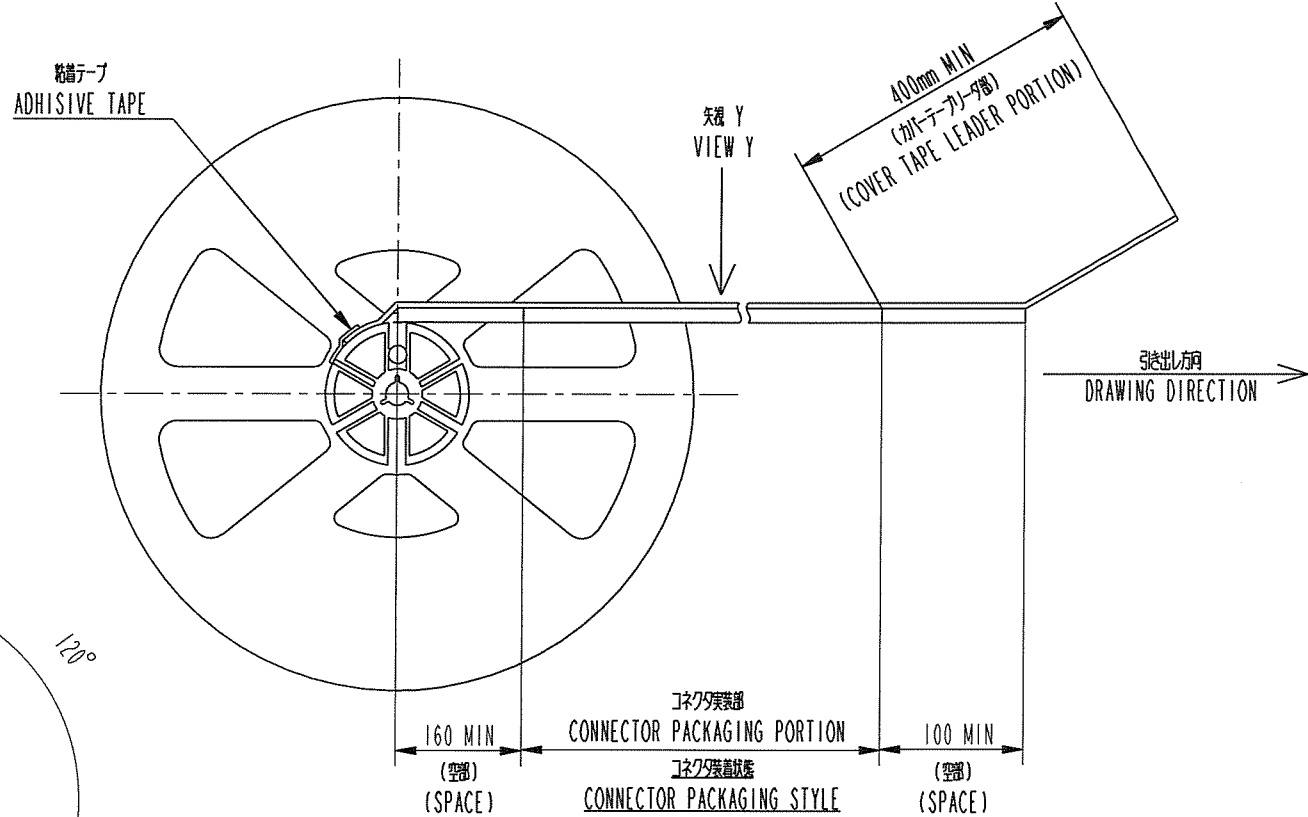
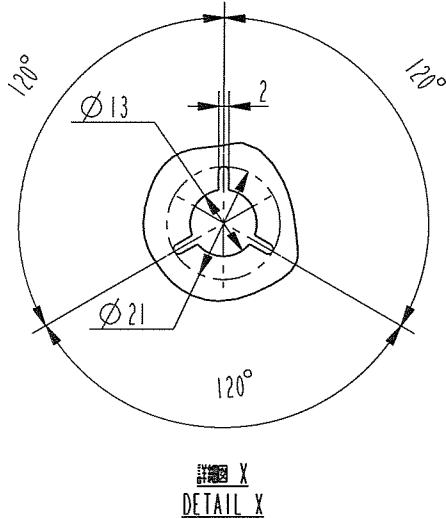
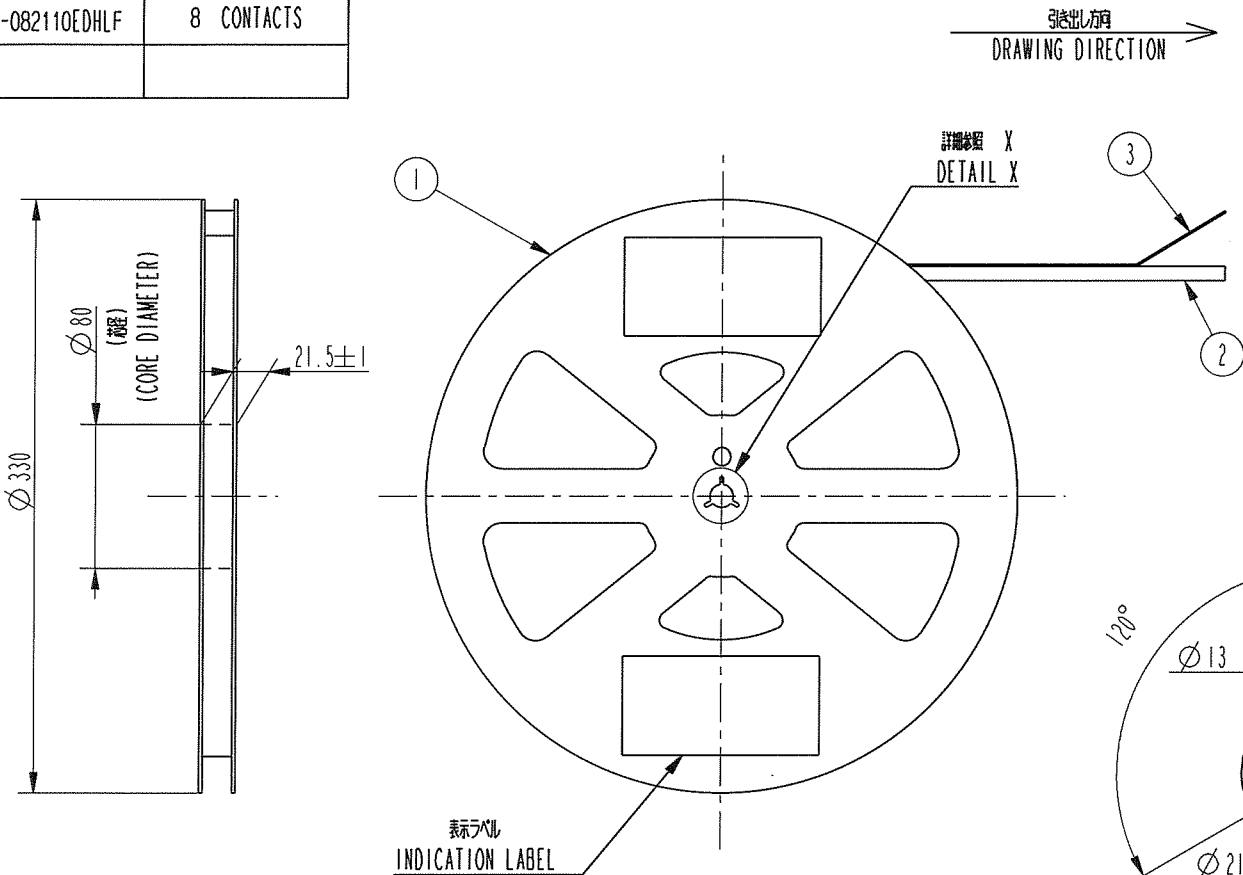


| PRODUCT No.       | NO. OF CONTACTS |
|-------------------|-----------------|
| 59453-042110EDHLF | 4 CONTACTS      |
| 59453-052110EDHLF | 5 CONTACTS      |
| 59453-062110EDHLF | 6 CONTACTS      |
| 59453-082110EDHLF | 8 CONTACTS      |



| 部番<br>No. | 品名<br>PART NAME                        | 型番<br>PRODUCT No. | 材質<br>MATERIAL                 | 数量<br>Q'TY | 記号<br>NOTE                                                                         |
|-----------|----------------------------------------|-------------------|--------------------------------|------------|------------------------------------------------------------------------------------|
| 1         | リール<br>REEL                            | -----             | ポリスチレン<br>POLYSTYRENE          | 1          | 色:白, 帯電防止<br>COLER:WHITE,ANTI STATIC                                               |
| 2         | プラスチック(エンボス)テープ<br>PLASTIC(EMBOSS)TAPE | -----             | PP又は PET<br>PP or PET          | 1          | 帯電防止<br>ANTI STATIC                                                                |
| 3         | カバーテープ<br>COVER TAPE                   | -----             | ポリエステル<br>POLYESTER            | 1          |                                                                                    |
| 4         | コネクタ(単体)<br>CONNECTOR                  | 59453-0.211DHLF   | 添付図面参照<br>SEE ATTACHED DRAWING | 5,000      | 接点部:金めっき<br>CONTACT AREA PLATING:GOLD<br>ターミナル部:金めっき<br>TERMINAL AREA PLATING:GOLD |

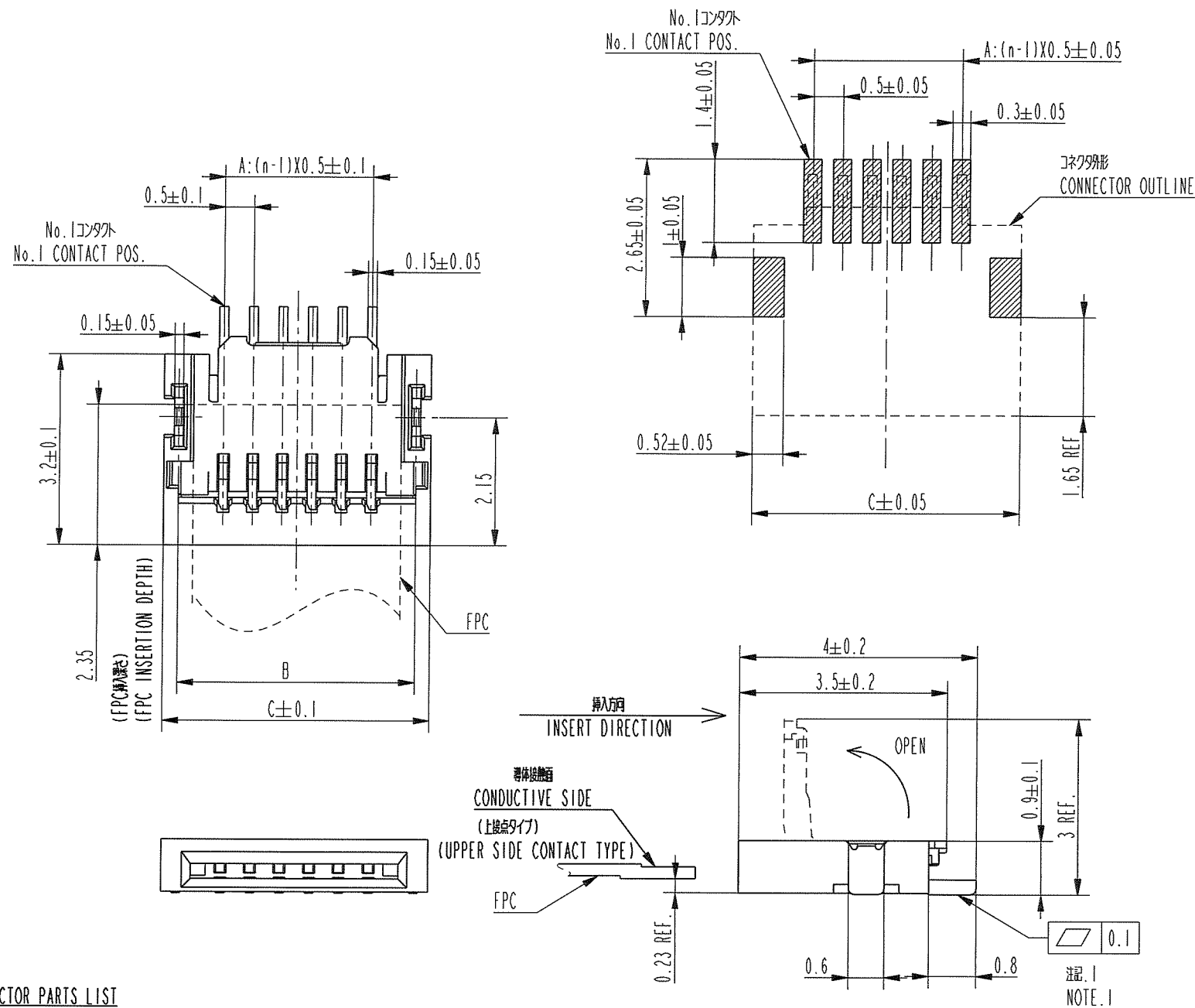
注記  
 1. 本製品は、自動実装(SMT)対応、FPC用コネクタのプラスチックテープパッケージである。  
 2. プラスチック(エンボス)テープ及びリールの形状寸法は、JIS C 0806(電子部品のテーピング)(表面実装部品)に準ずる。  
 NOTE  
 1.THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPELS WITH AUTOMATIC MOUNTING(SMT)  
 2.SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES))

| rev | ech no   | dr  | date       |
|-----|----------|-----|------------|
| A   | J08-0261 | M.K | Jun.19.'08 |
| B   | J09-0101 | M.K | Mar.12.'09 |
| C   | J10-0167 | M.K | Jun.14.'10 |

|                    |             |                                                                                                                       |               |              |                |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------|---------------|--------------|----------------|
| www.fciconnect.com |             | surface                                                                                                               | tolerance std | projection   | MM             |
|                    |             | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                                                 |               | size         | Scale          |
| Dr                 | M. Higo     | Jun. 14, '10                                                                                                          | ANGULAR       | LINEAR       | ±5             |
| Eng                | T. Sakakima | Jun. 14, '10                                                                                                          | ±5°           |              | ECN            |
| Chr                | M. Higo     | Jun. 14, '10                                                                                                          |               |              | Product family |
| Appr               | M. Higo     | Jun. 14, '10                                                                                                          |               |              | 590F           |
| FCI                |             | プラスチックテープパッケージ 0.5mm FPC用コネクタ<br>PLASTIC TAPE PACKAGED 0.5mm PITCH FPC CONNECTOR<br>(上接点タイプ)(UPPER SIDE CONTACT TYPE) |               | Rev.         | C              |
| catalog no         |             | CUSTOMER                                                                                                              |               | sheet 1 of 2 |                |

推奨基板パターン図  
RECOMMENDED PCB LAYOUT

推奨FPC寸法  
RECOMMENDED FPC



CONNECTOR PARTS LIST

| 部品番号<br>No. | 部品名<br>PART NAME    | 材料<br>MATERIAL                                            | 数量<br>Q'TY | 記号<br>NOTE                                                                                                           |
|-------------|---------------------|-----------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------|
| 1           | ハウジング<br>HOUSING    | ガラス繊維入り熱可塑性樹脂 UL94V-0<br>GLASS FILLED THERMOPLASTIC RESIN | 1          | 色:黒, ハロゲンフリー<br>COLOR:BLACK, HALOGEN FREE                                                                            |
| 2           | アクチュエータ<br>ACTUATOR | ガラス繊維入り熱可塑性樹脂 UL94V-0<br>GLASS FILLED THERMOPLASTIC RESIN | 1          | 色:白, ハロゲンフリー<br>COLOR:WHITE, HALOGEN FREE                                                                            |
| 3           | コンタクト<br>CONTACT    | 銅合金<br>COPPER ALLOY                                       | n          | 接点部:金めっき<br>CONTACT AREA PLATING:GOLD<br>端子部:金めっき<br>TERMINAL AREA PLATING:GOLD<br>ニッケル下地めっき<br>UNDER NICKEL PLATING |
| 4           | 固定金具<br>FIXING TAB  | 黄銅<br>BRASS                                               | 2          | めっき:銅めっき(鉛フリー)<br>PLATING:TIN (LEAD FREE)                                                                            |

寸法表 TABLE FOR DIMENSIONS

| PRODUCT No.<br>(Not Emboss packaging) | A寸法 | B寸法 | C寸法 | D寸法 | E寸法 |
|---------------------------------------|-----|-----|-----|-----|-----|
| 59453-0421IDHLF (4 CONTACTS)          | 1.5 | 3.0 | 3.5 | 2.5 | 1.8 |
| 59453-0521IDHLF (5 CONTACTS)          | 2.0 | 3.5 | 4.0 | 3.0 | 2.3 |
| 59453-0621IDHLF (6 CONTACTS)          | 2.5 | 4.0 | 4.5 | 3.5 | 2.8 |
| 59453-0821IDHLF (8 CONTACTS)          | 3.5 | 5.0 | 5.5 | 4.5 | 3.8 |

FPC PARTS LIST

| 部品番号<br>No. | 品名<br>PART NAME        | 材質<br>MATERIAL                                        | 記号<br>NOTE |
|-------------|------------------------|-------------------------------------------------------|------------|
| 5           | ベースフィルム<br>BASE FILM   | ポリイミド<br>POLYIMIDE                                    |            |
| 6           | 導体<br>CONDUCTOR        | 銅箔, 金めっき, 0.1μm以上<br>COPPER FOIL (PLATING:GOLD 0.1μm) |            |
| 7           | オーバーレイ<br>OVER LAY     | ポリイミド<br>POLYIMIDE                                    |            |
| 8           | 補強版<br>SUPPORTING TAPE | ポリイミド<br>POLYIMIDE                                    |            |

注記  
熱硬化接着剤を使用し、接着方法は熱圧着とする。

NOTE  
ADHISIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHISIVE SHALL BE USED

注記/NOTE  
1.コンタクト、補強金具の平面度は0.1mm以内  
1.COPLANARITY FOR CONTACT TERMINAL AND FIXING TAB MUST BE WITHIN 0.1mm.  
2.本製品は、GS-22-008に規定されたヨーロッパ規格と他の規格に適合しています。  
2.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

n=種類  
n=No. OF CONTACTS

| rev | ecn no   | dr  | date        |
|-----|----------|-----|-------------|
| A   | J08-0261 | M.K | Jun.19.'08  |
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| C   | J10-0167 | M.K | Jun.14.'10  |

|                    |  |                                                                                       |               |              |       |
|--------------------|--|---------------------------------------------------------------------------------------|---------------|--------------|-------|
| www.fciconnect.com |  | surface                                                                               | tolerance std | projection   | MM    |
|                    |  | ANGULAR                                                                               | LINEAR        | size         | Scale |
|                    |  |                                                                                       |               | A2           | N/A   |
|                    |  |                                                                                       |               | ECN          |       |
|                    |  | Product family                                                                        | 59DF          | Spec ref     |       |
| FCI                |  | 0.5mm ピッチ FPC用コネクタ<br>0.5mm PITCH FPC CONNECTOR<br>(上接点タイプ) (UPPER SIDE CONTACT TYPE) | dwg no        | 59453        | Rev.  |
| catalog no         |  |                                                                                       | CUSTOMER      | sheet 2 of 2 | C     |