

# SUBSTITUTION GUIDE

A summary of Bourns® Trimpot® alternatives for models not available or out of stock.

## SQUARE MULTITURNS

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
3223W	None	None
3214G	3224G <sup>11</sup>	None
3214J	3224J <sup>11</sup>	None
3214W	3224W <sup>11</sup>	None
3214X	3224X <sup>11</sup>	None
3224G	3214G <sup>12</sup>	None
3224J	3214J <sup>12</sup>	None
3224W	3214W <sup>12</sup>	None
3224X	3214X <sup>12</sup>	None
3250L	RT22C2L	RTR22DL
3250P	RT22C2P	RTR22DP
3250W	RT22C2W	RTR22DW
3250W-66	RT22C2X	RTR22DX
*3251L	3252L <sup>9</sup>	None
*3251P	3252P <sup>9</sup>	3296P <sup>1,2,9</sup>
*3251W	3252W <sup>9</sup>	3296W <sup>1,2,9</sup>
*3251W-66	3252X <sup>9</sup>	3296X <sup>1,2,9</sup>
3252L	RJ22FL	None
3252P	RJ22FP	3296P <sup>1,2</sup>
3252W	RJ22FW	3296W <sup>1,2</sup>
3252X	RJ22FX	3296X <sup>1,2</sup>
*3255L	3250L	None
*3255P	3250P	3290P <sup>2,14</sup>
*3255W	3250W	3290W <sup>2,14</sup>
*3255W-66	3250W-66	3290H <sup>2,14</sup>
3260H	RT26C2X	3266X <sup>6,8</sup>
3260W	RT26C2W	3266W <sup>6,8</sup>
3262P	RJ26FP	3266P
3262W	RJ26FW	3266W <sup>6</sup>
3262X	RJ26FX	3266X <sup>6</sup>
3266P	3262P	RJ26FP
3266W	3262W	RJ26FW
3266X	3262X	RJ26FX
3266Y <sup>10</sup>	None	None
3266X <sup>10</sup>	None	None
3269P	None	None
3269W	None	None
3269X	None	None
*3272A	None	None
*3272C	None	None
*3279W	3266W <sup>3</sup>	3262W <sup>3</sup>
*3279X	3266X <sup>3</sup>	3262X <sup>3</sup>
*3280L	None	None
*3280P	3290P	3296P <sup>8,13</sup>
*3280W	3290W	3296W <sup>8,13</sup>
*3280W-66	3290H	3296X <sup>8,13</sup>

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
*3281L	None	3292L <sup>9,13</sup>
*3281P	3296P <sup>9,13</sup>	3292P <sup>9,13</sup>
*3281W	3296W <sup>9,13</sup>	3292W <sup>9,13</sup>
*3281W-66	3296X <sup>9,13</sup>	3292X <sup>9,13</sup>
*3282L	None	3292L
*3282H	3296X	3292X
*3282P	3296P	3292P
*3282W	3296W	3292W
*3290L	None	3292L <sup>8</sup>
3290H	3296X <sup>4,8</sup>	3292X <sup>8</sup>
3290P	3296P <sup>4,8</sup>	3292P <sup>8</sup>
3290W	3296W <sup>4,8</sup>	3292W <sup>8</sup>
3292L	None	RJ24FL
3292P	3296P <sup>4</sup>	RJ24FP <sup>4</sup>
3292W	3296W <sup>4</sup>	RJ24FW <sup>4</sup>
3292X	3296X <sup>4</sup>	RJ24FX <sup>4</sup>
3296P	3292P	RJ24FP
3296W	3292W	RJ24FW
3296X	3292X	RJ24FX
3296Y <sup>10</sup>	3299Y <sup>7,10</sup>	None
3296Z <sup>10</sup>	3299Z <sup>7,10</sup>	None
3299P	3296P	3292P
3299W	3296W	3292W
3299X	3296X	3292X
3299Y <sup>10</sup>	3296Y <sup>10</sup>	None
3299Z <sup>10</sup>	3296Z <sup>10</sup>	None

**NOTES SHOWING VARIATION OF ALTERNATIVES:**

- <sup>1</sup> Part is smaller (3/8 " x 3/8 " sq. x .19 " in lieu of 1/2 " x 1/2 " sq. x .22 ").
- <sup>2</sup> Power rating is lower (0.5 watt at 85 °C in lieu of 1.0 watt at 85 °C).
- <sup>3</sup> Adjust counterclockwise instead of clockwise.
- <sup>4</sup> Part is thicker (.190 " in lieu of .150 ").
- <sup>5</sup> Part is taller (.395 " in lieu of .375 ").
- <sup>6</sup> Part is taller (.270 " in lieu of .250 ").
- <sup>7</sup> Part is thicker (.240 " in lieu of .190 ").
- <sup>8</sup> Cermet element in lieu of wirewound element.
- <sup>9</sup> Cermet element in lieu of carbon element.
- <sup>10</sup> Available on tape and reel.
- <sup>11</sup> 11 turns vs. 5 turns.
- <sup>12</sup> 5 turns vs. 11 turns.
- <sup>13</sup> No center hole.
- <sup>14</sup> Part is smaller (3/8 " x 3/8 " sq. x .15 " in lieu of 1/2 " sq. x .22 ").

\*Obsolete model.  
 Not recommended for new designs.

Refer to Bourns® product data sheets for specifications of alternate models.

# SUBSTITUTION GUIDE

## RECTANGULAR MULTITURNS

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
20P	None	None
*200L	3057L <sup>1,9</sup>	3059L <sup>4,9</sup>
*200P	3057Y <sup>9</sup>	3059Y <sup>4,9</sup>
*200S	3057J <sup>9</sup>	3059J <sup>4,9</sup>
*215L	3059L <sup>1,9,10</sup>	None
*215P	3059Y <sup>9,10</sup>	None
*215S	3059J <sup>9,10</sup>	None
*220L	None	None
*220P	None	None
*220W	None	None
*224L	3057L <sup>1</sup>	3059L <sup>1,4</sup>
*224P	3057P	3059P <sup>4</sup>
*224S	3057J <sup>2</sup>	3059J <sup>2,4</sup>
*235L	3059L <sup>1,9,10</sup>	None
*235P	3059Y <sup>9,10</sup>	None
*235S	3059J <sup>3,9,10</sup>	None
*236L	3057L <sup>1,9</sup>	3059L <sup>1,4,9</sup>
*236P	3057Y <sup>9</sup>	3059Y <sup>4,9</sup>
*236S	3057J <sup>3,9</sup>	3059J <sup>3,4,9</sup>
*260L	3057L <sup>1,9</sup>	3059L <sup>1,4,9</sup>
*260P	3057Y <sup>9</sup>	3059Y <sup>4,9</sup>
*260S	3057J <sup>3,9</sup>	3059J <sup>3,4,9</sup>
*271	3057L <sup>1,9</sup>	3059L <sup>1,4,9</sup>
*273	3057J <sup>9</sup>	3059J <sup>4,9</sup>
*275	3057Y <sup>9</sup>	3059Y <sup>4,9</sup>
*272	3059L <sup>1,9,10</sup>	None
*274	3059Y <sup>9,10</sup>	None
*276	3059J <sup>9,10</sup>	None
3005P	3006P <sup>4</sup>	None
3006P	3009P <sup>5</sup>	None
3006W	None	None
3006Y	3009Y <sup>5</sup>	None
*3007P	3005P	3006P <sup>4</sup>
3009P	3006P <sup>6</sup>	None
3009Y	3006Y <sup>6</sup>	None
*3010L	3057L <sup>1,9</sup>	None
*3010P	3057Y <sup>9</sup>	None
*3011L	3059L <sup>1,9,10</sup>	None
*3011P	3059Y <sup>9,10</sup>	None
*3012L	3059L <sup>1,9</sup>	None
*3012P	3059Y <sup>9</sup>	None
*3020L	None	None
*3051L	3059L <sup>1,10</sup>	None
*3051P	3059P <sup>10</sup>	None
*3051S	3059J <sup>2,10</sup>	None
*3052L	3059L <sup>1</sup>	None
*3052P	3059P	None
*3052S	3059J <sup>2</sup>	None
*3052Y	3059Y	None

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
3057L	3059L <sup>4</sup>	None
3057J	3059J <sup>4</sup>	None
3057P	3059P <sup>4</sup>	None
3057Y	3059Y <sup>4</sup>	None
3059L	3057L <sup>12</sup>	None
3059J	3057J <sup>12</sup>	None
3059P	3057P <sup>12</sup>	None
3059Y	3057Y <sup>12</sup>	None
*3065P	3006W <sup>4,6,8</sup>	None
*3066P	3006W <sup>6,8,10</sup>	None
*3067P	3006W <sup>4,6,8</sup>	None
*3067S	None	None
*3068P	None	None
*3068S	None	None
*3069P	3006W <sup>6</sup>	None
3082P	None	None
3082P-45	None	None
*3095P	None	None
*3099P	None	None

**NOTES SHOWING VARIATION OF ALTERNATIVES:**

- <sup>1</sup> Leads are shorter (6 " min. in lieu of 11.5 " min.).
- <sup>2</sup> Solder hooks located on bottom of part in lieu of end.
- <sup>3</sup> Solder hooks in lieu of solder terminals.
- <sup>4</sup> Cermet element in lieu of wirewound element.
- <sup>5</sup> Part height is higher (.350 " in lieu of .250 ").
- <sup>6</sup> Part height is lower (.250 " in lieu of .350 ").
- <sup>7</sup> Part width is larger (.28 " in lieu of .19 ").
- <sup>8</sup> Part is shorter (.75 " in lieu of 1.0 " long).
- <sup>9</sup> Part width is smaller (.19 " in lieu of .28 ").
- <sup>10</sup> Cermet element in lieu of carbon element.
- <sup>11</sup> Pin spacing and body size not identical.
- <sup>12</sup> Wirewound element in lieu of cermet element.

\*Obsolete model.

Not recommended for new designs.

Refer to Bourns® product data sheets for specifications of alternate models.

# SUBSTITUTION GUIDE

## SINGLE-TURNS (Continued on next page)

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
*3300P	3345P <sup>1</sup>	3362P <sup>11</sup>
*3300S	None	None
*3300W	3345W <sup>2</sup>	3362X <sup>11</sup>
*3301P	3329P <sup>3,10</sup>	3362P <sup>3,10,17</sup>
*3301S	None	None
*3301W	3329W <sup>10</sup>	3362W <sup>10,17</sup>
*3302W-1	3302W-3	None
*3302X-1	3302X-3	None
*3302W-2	3302W-3	None
*3302X-2	3302X-3	None
3302W-3	None	None
3302X-3	None	None
*3303W-1	3303W-3	None
*3303X-1	3303X-3	None
*3303W-2	3303W-3	None
*3303X-2	3303X-3	TC03X
3303W-3	None	None
3303X-3	TC33X	TC03X
3303W-4	None	None
3303X-4	None	None
3303C-1	None	None
3303D-1	None	None
*3304A	3364A	None
*3304B	3364B	None
*3304C	None	None
*3304D	None	None
*3304W	3364W	None
*3304X	3364X	None
*3305P	3345P <sup>1</sup>	3362P <sup>11</sup>
*3305W	3345W <sup>2</sup>	3362X <sup>11</sup>
3306F	3318P <sup>16</sup>	None
3306K	3318B <sup>16</sup>	None
3306P	3362P	None
3306W	3318S <sup>16</sup>	None
*3307P	3345P <sup>1</sup>	3362P <sup>11</sup>
*3307W	3345W <sup>2</sup>	3362X <sup>11</sup>
3309P	3386G	3319P <sup>16</sup>
3309W	3386V	3319W <sup>16</sup>
3313J	TC33X <sup>3,8</sup>	3303W <sup>3,8</sup>
3313S	None	None
3314G	None	None
3314H	None	None
3314J	None	None
3314Z	None	None
*3314S	3314Z	None
*3316F	3318P	3306F <sup>10</sup>
*3316K	3318B	3306K <sup>10</sup>
*3316P	3362P <sup>10,12</sup>	3306P <sup>10</sup>
*3316W	3318S	3306W <sup>10</sup>
3318F	3318P	3306F <sup>10</sup>
3318K	3318S	3306K <sup>10</sup>
3318P	3318F	3306F <sup>10</sup>
3318S	3318K	3306K <sup>10</sup>
3318B	None	None
3318G(A) <sup>14</sup>	None	None
3318S(A) <sup>14</sup>	None	None
3318B(A)	None	None

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
3319P	3309P <sup>10</sup>	3386G <sup>10,17</sup>
3319W	3309W <sup>10</sup>	3386V <sup>10,17</sup>
*3322P	3329P	3362P <sup>17</sup>
*3323P	3362P	3329P <sup>18</sup>
*3323S	3362S	3329S <sup>18</sup>
*3323U	3362U	None
*3323W	3362W	3329W <sup>18</sup>
*3223X	3362X	3329X <sup>18</sup>
*3324G	3314G	None
*3324J	3314J	None
*3325P	3361P <sup>15</sup>	None
*3325W	3361S <sup>15</sup>	None
*3325X	3361S <sup>15</sup>	None
*3326H	3329H	3362H <sup>17</sup>
*3326P	3329P	3362P <sup>17</sup>
*3328P	3319P <sup>19</sup>	3386G <sup>19</sup>
*3328W	3319W <sup>19</sup>	3386V <sup>19</sup>
3329H	3362H <sup>17</sup>	3339H
3329M(R) <sup>13</sup>	3362M(R) <sup>13,17</sup>	None
3329P	3362P <sup>17</sup>	None
3329S	3362S <sup>17</sup>	None
3329U(R) <sup>13</sup>	3362U(R) <sup>13,17</sup>	None
3329W	3362W <sup>17</sup>	None
3329X	3362X <sup>17</sup>	None
3329P-DK9	3362P <sup>17</sup>	None
*3335A	None	None
*3335B	None	None
*3335C	None	None
*3335W	None	None
*3335X	None	None

**NOTES SHOWING VARIATION OF ALTERNATIVES:**

- <sup>1</sup> Part is larger (1/2 " dia. in lieu of 5/16 " dia.).
- <sup>2</sup> Part is larger (.450 " L x .285 " W x .450 " H in lieu of .321 " L x .250 " W x .370 " H).
- <sup>3</sup> Pins 1 and 3 are reversed.
- <sup>4</sup> Part is larger (.300 " dia. in lieu of .250 " dia.).
- <sup>5</sup> 4 turns in lieu of 1 turn.
- <sup>6</sup> 1 turn in lieu of 4 turns.
- <sup>7</sup> Part is larger (.38 " L x .40 " W x .24 " H in lieu of .35 " L x .375 " W x .21 " H).
- <sup>8</sup> Unsealed in lieu of sealed.
- <sup>9</sup> Power rating is lower.
- <sup>10</sup> Cermet element in lieu of carbon element.
- <sup>11</sup> Cermet element in lieu of wirewound element.
- <sup>12</sup> Sealed in lieu of open frame construction.
- <sup>13</sup> (R) Available on tape and reel.
- <sup>14</sup> (A) Available on ammo pack.
- <sup>15</sup> Different pad layout. Consult with Application Engineer.
- <sup>16</sup> Carbon element in lieu of cermet element.
- <sup>17</sup> Part is square vs. round.
- <sup>18</sup> Part is round vs. square.
- <sup>19</sup> Cermet element in lieu of conductive plastic element.

\*Obsolete model.

Not recommended for new designs.

Refer to Bourns® product data sheets for specifications of alternate models.

# SUBSTITUTION GUIDE

## SINGLE-TURNS (Continued from previous page)

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
3339H	3329H <sup>6</sup>	3362H <sup>6,17</sup>
3339P	3329P <sup>6</sup>	3362P <sup>6,17</sup>
3339W	3329X <sup>6</sup>	3362X <sup>6,17</sup>
3339S	3329S <sup>6</sup>	3362S <sup>6,17</sup>
3345P	3329P <sup>11</sup>	3362P <sup>11,17</sup>
3345W	3329X <sup>11</sup>	3362X <sup>11,17</sup>
*3351P	None	None
*3351W	3352V <sup>10</sup>	None
3352E	3309P	3386G <sup>7,12</sup>
3352H	3306W	3362X <sup>12</sup>
3352K	3309W	3386V <sup>7,12</sup>
3352P	3306P <sup>3</sup>	3362P <sup>3,12</sup>
3352T	3362U <sup>12</sup>	None
3352V	None	None
3352W	3386W <sup>7,12</sup>	3362M <sup>12</sup>
*3353P	None	None
*3353W	3352V <sup>10</sup>	None
*3355U	None	None
*3355W	3352V <sup>10</sup>	None
*3359P	3386G	3309P
*3359W	3386V	3309W
3361P	None	None
3361S	None	None
3362H	3329H <sup>18</sup>	None
3362M(R)	3329M(U) <sup>13,18</sup>	None
3362U(R)	3329U(R) <sup>13,18</sup>	None
3362P	3329P <sup>18</sup>	None
3362S	3329S <sup>18</sup>	None
3362M	None	None
3362U	None	None
3362W	3329W <sup>18</sup>	None
3362X	3329X <sup>18</sup>	None
3362R	None	None
3362Z	None	None
*3363W	3303W-3	None
*3363X	3303X-3	TC33X
3364W	None	None
3364X	3314J <sup>3,12</sup>	None
3364A	None	None
3364B	None	None
*3365P	3345P	3362P <sup>11,17</sup>
*3365W	3345W	3362X <sup>11,17</sup>
*3367P	3345P	3362P <sup>11,17</sup>
*3367S	None	None
*3368P	None	None
*3368S	None	None
*3373J	3313J	3303W <sup>3,8</sup>
*3374W	None	3364W <sup>8</sup>
*3374X	3314J <sup>3</sup>	3364X <sup>8</sup>

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
3386B	None	None
3386C	3362M	None
3386H	3362X	3329X <sup>18</sup>
3386J	None	None
3386S	None	None
3386W	3362M	None
3386X	3362W	3329W <sup>18</sup>
3386F	None	None
3386K	3362H	3329H <sup>18</sup>
3386M	None	None
3386P	3362P	3329P <sup>18</sup>
3386R	None	None
3386T	None	None
3386U	3362U	None
3386Y	None	None
3386G	None	None
3386V	None	None
3386W(R) <sup>13</sup>	3362M(R) <sup>13</sup>	3329M(R) <sup>13,18</sup>
3386U(R) <sup>13</sup>	3362U(R) <sup>13</sup>	3329U(R) <sup>13,18</sup>
*3389D	None	None
*3389H	3386H	3362X <sup>3</sup>
*3389P	3386P	3362P
*3389R	3386R	None
*3389S	3386S	None
*3389T	3386R-Y98	None
*3389W	3386W	3362M

**NOTES SHOWING VARIATION OF ALTERNATIVES:**

- <sup>1</sup> Part is larger (1/2 " dia. in lieu of 5/16 " dia.).
- <sup>2</sup> Part is larger (.450 " L x .285 " W x .450 " H in lieu of .321 " L x .250 " W x .370 " H).
- <sup>3</sup> Pins 1 and 3 are reversed.
- <sup>4</sup> Part is larger (.300 " dia. in lieu of .250 " dia.).
- <sup>5</sup> 4 turns in lieu of 1 turn.
- <sup>6</sup> 1 turn in lieu of 4 turns.
- <sup>7</sup> Part is larger (.38 " L x .40 " W x .24 " H in lieu of .35 " L x .375 " W x .21 " H).
- <sup>8</sup> Unsealed in lieu of sealed.
- <sup>9</sup> Power rating is lower.
- <sup>10</sup> Cermet element in lieu of carbon element.
- <sup>11</sup> Cermet element in lieu of wirewound element.
- <sup>12</sup> Sealed in lieu of open frame construction.
- <sup>13</sup> (R) Available on tape and reel.
- <sup>14</sup> (A) Available on ammo pack.
- <sup>15</sup> Different pad layout. Consult with Application Engineer.
- <sup>16</sup> Carbon element in lieu of cermet element.
- <sup>17</sup> Part is square vs. round.
- <sup>18</sup> Part is round vs. square.
- <sup>19</sup> Cermet element in lieu of conductive plastic element.

\* Obsolete model.  
 Not recommended for new designs.

Refer to Bourns® product data sheets for specifications of alternate models.

# SUBSTITUTION GUIDE

## SINGLE-TURNS (Continued from previous page)

Customer Requesting	1st Alternative Model/Pin Style	2nd Alternative Model/Pin Style
TC03X-2	3303X-2	TC33X-2 <sup>20</sup>
TC33X-2	TC03X-2 <sup>21</sup>	3303X-2 <sup>21</sup>
TC73X-1	TC33X-2	TC03X-2 <sup>21</sup>
TC73X-2	TC03X-2	TC33X-2 <sup>20</sup>
*TC76W(A)	3318S(A)	None
*TC76W(R)	3318S(A)	None
*TC76N(A)	None	None
*TC76N(R)	None	None
*TC76G(A)	3318G(A)	None
*TC76G(R)	3318G(A)	None
*TC76B	3318S	None
*TC76Z	3318P	None
*TC76P	3362P	None
*TDB06-5	None	None
*TDB08-5	None	None
*TDB10-4	None	None
*TDB06-6	3318S	None
*TDB08-3	None	None
*TDB10-8	None	None

**NOTES SHOWING VARIATION OF ALTERNATIVES:**

- <sup>1</sup> Part is larger (1/2 " dia. in lieu of 5/16 " dia.).
- <sup>2</sup> Part is larger (.450 " L x .285 " W x .450 " H in lieu of .321 " L x .250 " W x .370 " H).
- <sup>3</sup> Pins 1 and 3 are reversed.
- <sup>4</sup> Part is larger (.300 " dia. in lieu of .250 " dia.).
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- <sup>6</sup> 1 turn in lieu of 4 turns.
- <sup>7</sup> Part is larger (.38 " L x .40 " W x .24 " H in lieu of .35 " L x .375 " W x .21 " H).
- <sup>8</sup> Unsealed in lieu of sealed.
- <sup>9</sup> Power rating is lower.
- <sup>10</sup> Cermet element in lieu of carbon element.
- <sup>11</sup> Cermet element in lieu of wirewound element.
- <sup>12</sup> Sealed in lieu of open frame construction.
- <sup>13</sup> (R) Available on tape and reel.
- <sup>14</sup> (A) Available on ammo pack.
- <sup>15</sup> Different pad layout. Consult with Application Engineer.
- <sup>16</sup> Carbon element in lieu of cermet element.
- <sup>17</sup> Part is square vs. round.
- <sup>18</sup> Part is round vs. square.
- <sup>19</sup> Cermet element in lieu of conductive plastic element.
- <sup>20</sup> Rotational stop in lieu of no rotational stop.
- <sup>21</sup> No rotational stop in lieu of rotational stop.

\*Obsolete model.

Not recommended for new designs.

Refer to Bourns® product data sheets for specifications of alternate models.



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